

Db 1181 TGGCTCTATGCCAATGCATCTGGACTG-----GAACTCAGAGCTAT 1225
 QY 1107 CAAGTGGAACTACTATGAAAGCTTTCATCCCGTGTGACTGGATCACCCTCGAAG 1166
 Db 1226 AAAGTGGAGTCACATGAAACAGACACGGG-----TGCACGCCACTATGATCG 1282
 QY 1167 CGTGTGTTATGGAGCTGCGAAGATAAGTGGCTATAAAGATGGCATGGTTC 1226
 Db 1283 TATTCGATCTATGGAAACGGAGACTAAGTGGTGGTAAATCACCAGGCGTTGC 1342
 QY 1227 TATAAATTGATTCAGGGACCTATCTGAAATAATGCTGGCGAAGCTGA 1286
 Db 1343 TAACAGTTGACTTATACCTACTGTGGAAATGCCAGACTGAGGATCG 1402
 QY 1287 AGAA 1290
 Db 1403 CGAA 1406

RESULT 3
 US-08-486-196-13
 ; Sequence 13, Application US/08486196
 ; General Information:
 ; Patent No. 5731420
 ; APPLICANT: Fukuda, Minoru
 ; TITLE OF INVENTION: Expression of the Developmental I
 ; TITLE OF INVENTION: Antigen BY a Cloned Human cDNA Encoding a Member of a
 ; NUMBER OF INVENTIONS: Beta-1,6 N-Acetylglucosaminyltransferase Gene Family
 ; NUMBER OF SEQUENCES: 14
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Campbell and Flores
 ; STREET: 4370 La Jolla Village Drive, Suite 700
 ; CITY: San Diego
 ; STATE: California
 ; COUNTRY: USA
 ; ZIP: 92122
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/486,196
 ; FILING DATE:
 ; CLASSIFICATION: 424
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/118,906
 ; FILING DATE: 09-SEP-1993
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Campbell, Kathryn A.
 ; NAME: Registration Number: 31,815
 ; REFERENCE/DOCKET NUMBER: P-LJ 9526
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (619) 535-9001
 ; TELEFAX: (619) 535-8949
 ; INFORMATION FOR SEQ ID NO: 13:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 1807 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: double
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: cDNA
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: 255..1454
 ; US-08-486-196-13

Db 467 TGGCAACGAACTACTTGGACCGAGGCCATACATCACGCCCTTATCTAGGAGAC 526
 QY 387 AACCTTCCAAATAGCCTATCTTGTGTCACAAAGATGCAATTGTTGAAGCT 446
 Db 527 TGCATTCCTGCAATATATGGTCAATCATCATCATCACTTGTGACACCTTGCAAGGT 586
 QY 447 TATTCATGCTATACACCCACACATATTACTGGCATTCATATGCTTAAGGACC 506
 Db 587 CTTCAGGGCTATTCAGTCGGCCAAATAATCTACTGTGTCATGAGTAAAGAAC 646
 QY 507 TGATACCTCAAGTGGTCCATGAACTATTTAGCTAAGTGTCTCCATATTCATGC 566
 Db 647 AACTGAATTAAAGAAGGGTAGGAGCACTTAAAGCTGCTCCAAACGCTTCTGC 706
 QY 557 TCCAAATAGGGCTTGGATATGCCACATTGGAGTCCAGGTCAGCTGGTTAAATG 626
 Db 707 TTCCAAATGGACCCGTGTGATGGAGGGTCTCCAGGTCAGGTCAGCTGACTG 766
 QY 627 CTGTCGACCTCTGAGTCATCCACTGGATATGCTCAACACTGGAAATTTAC 686
 Db 757 CATCAGACATCTTCCTCCTGGAGGTCTCATGGAAAGTACAGTTCACACTGEGCA 826
 QY 687 AGATTTCCCTGAGTCAAATTGATGGTGTGAGTGAAGAAACATGAGTCATGG 746
 Db 827 AGACTTCCCTGAAACCAACAGGAATAGTTGATGATGTTGAGTAAAGTAA 886
 QY 747 AAATATGGAGACGGTGAACCCCAACAGTAATGGAGATATCTACCTACCA 806
 Db 887 AAATATACCCCCAGGGGGCTGCCCGAGCTATGCAATTGGAGATATCTACCA 946
 QY 807 TGAACCTAGACGGGTGCTTATGAAATGAGCTACCAATAAGGAAACATCCAA 866
 Db 947 CCAGAGGACCTGGCA-----AGAGCTTCTCTATGATAAGAACACAGGTTGA 1000
 QY 867 GGAGGACACCCCCATACATCAGAATTGTTGGAGGTATTGGTTAAATCA 926
 Db 1001 ACCCCCTCCCCCATACCTCACAAATTCTGCTGCTATGGCTCATCAAG 1060
 QY 927 AGCATTTGTTAAATATTTGACACTTCACTGTCAGCTTGTGCTGGTCTAA 986
 Db 1061 AGAGTTGCGAACCTTGTGATGACCCACAGGCGTGGTGGTGGTCA 1120
 QY 987 AGACACACTCTCTGATGACCTTGGCTACCTTGTGCTGGTGGTGGTCA 1046
 Db 1121 GGACACTTCAGGCTGATGAGCATTTGGTGGTGGTGGTGGTGGTCA 1180
 QY 1047 TGGGAGTTCCAGTAGCCAGGTGGTGTGACTGCAAGTGAACCTGCTGT 1106
 Db 1181 TGGCTCTATGCCAATGCATCTGGACTG-----GAACTCAGAGCTAT 1225
 QY 1107 CAAGTGGAACTACTATGAAAGCTTTCATCCCGTGTGACTGGATCACCCTCGAAG 1166
 Db 1226 AAAGTGGAGTCACATGAAACAGACACGGG-----TGCACGCCACTATGATCG 1282
 QY 1167 CGTGTGTTATGGAGCTGCGAAGATAAGTGGCTATAAAGATGGCATGGTTC 1226
 Db 1283 TATTCGATCTATGGAAACGGAGACTAAGTGGTGGTGGCTGTTAAATCACCAGGCGTTGC 1342
 QY 1227 TATAAATTGATTCAGGGACCTATCTGAAATGCTGGCGAAGCTGA 1286
 Db 1343 TAACAGTTGACTTATACCTACTGTGGAAATGCCAGACTGAGGATCG 1402
 QY 1287 AGAA 1290
 Db 1403 CGAA 1406

RESULT 4
 US-08-488-135-13
 ; Sequence 13, Application US/08488135
 ; Patent No. 5766910
 ; General Information:

APPLICANT: Fukuda, Minoru
 TITLE OF INVENTION: Expression of the Developmental I
 TITLE OF INVENTION: Antigen By A Cloned Human cDNA Encoding a Member of a
 NUMBER OF SEQUENCES: 14
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Campbell and Flores
 STREET: 4370 La Jolla Village Drive, Suite 700
 CITY: San Diego
 STATE: California
 ZIP: 92122
 COUNTRY: USA

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.25
 APPLICATION NUMBER: US/08/488,135
 FILING DATE: 09-SEP-1993
 CLASSIFICATION: 424
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/118,906
 FILING DATE: 09-SEP-1993
 ATTORNEY/AGENT INFORMATION:
 NAME: Campbell, Kathryn A.
 REGISTRATION NUMBER: 31,815
 REFERENCE/DOCKET NUMBER: P-LJ 9526
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (619) 535-9001
 TELEFAX: (619) 535-8949
 INFORMATION FOR SEQ ID NO: 13:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1807 base pairs
 TYPE: nucleic acid
 STRANDBNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 FEATURE:
 NAME/KEY:
 LOCATION: 255..1454
 ;
 ; US-08-488-135-13

Query Match 13..6%; Score 185.2; DB 1; Length 1807;
 Best Local Similarity 52.1%; Pred. No. 6..4e-41; 0; Mismatches 438; Indels 24; Gaps 3;
 Matches 502; Conservative 502; Gaps 0; Mismatches 438; Indels 24; Gaps 3;

QY 327 TTGIGACATTATGAGCTTAAGAGTGTCTCAAAGCTGTCAGAGGAGAA 386
 Db 467 TTGCAAGGAATACTTGACCCAGCACTACATACAGGCCCTTATCAGAGAGC 526
 QY 387 AAGCTTCCCATAGCTTATCTTGTTGTTGTTGTTGAAAGTGAAGCT 446
 Db 527 TGACTTCCCTGGATATAATGGCTCCATCATCTTGACCTTGCAGCT 586
 QY 447 TATCCATGCTTATGACCCGACATATTCTGCTCCATTATGATGTTAGGCAC 506
 Db 587 CTTCAGGGCTTGTAGATGCCAAATATCTACTGTTGTCATGGGAAAGCAC 646
 QY 507 TGATACCTCAAGTGTGCAATGACATTAAGTGTCTCCAAATTTCATGCG 566
 Db 647 AACTGATTTAAGATGCGGTAGAGCACTTAACTGCTCCAAAGCTTTCGGC 706
 QY 567 TTCCAAATTAGGCGTGTGAGATAGGCCCATTCACACTCCAGGGATTAATG 626
 Db 707 TTCCAGATGGACCCGGTGTCTGAGCTTCATCAGTGAATATGTTCACTGTCGGC 766
 QY 627 CTGTGCGACCTCTGAGTTCACTCAGTGAATATGTTCACTGTCGGC 686
 Db 767 CATCAGAGATCTCTGCTCTGAGGTCTCATGGATGAGCTTACACACCTGGGA 826
 ;
 687 AGATTTCCCTGAACTCAATTGATGTTGTCAGGTGAAAGACTCAATGGAGC 746

RESULT 5
 US-08-474-065-13
 ; Sequence 13, Application US/08474065
 ; Patent No. 583045
 ; GENERAL INFORMATION:
 ; APPLICANT: Fukuda, Minoru
 ; APPLICANT: Bierhuzen, Marti F.A.
 ; TITLE OF INVENTION: Expression of the Developmental I
 ; TITLE OF INVENTION: Antigen By A Cloned Human cDNA Encoding a Member of a
 ; TITLE OF INVENTION: Beta-1,6-N-Acetylglucosaminyltransferase Gene Family
 ; NUMBER OF SEQUENCES: 14
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Campbell and Flores
 ; STREET: 4370 La Jolla Village Drive, Suite 700
 ; CITY: San Diego
 ; STATE: California
 ; ZIP: 92122
 ; COUNTRY: USA

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/474,065
 FILING DATE:
 CLASSIFICATION: 424
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/118,906

Db 827 AGACTTCCCTGAAACCAAGGAAATGTTGAGTACTGAGGATTAAGGTA 886
 QY 747 AAATATGTTGGAGCGGTTGAGAACCCCAAACGTAATTTGAAAGATCTTACATCA 806
 Db 887 AAATATACCCCGGGGTGCTGCCCGAGCTCATGCAATGGACGGCTAAATCTCA 946
 QY 807 TGAATGACGGTGTCTTGAATATGTTGAGTACCAATAAGGAAACATCTCAA 866
 Db 947 CCAGGAGACCTGGCA-----AGAGCTTCTATGTGATAGAGCAAGCGGTGAA 1000
 QY 867 GAAAGACCCCATACATTGAGATTGTCGAGTGTCTTTTAAGTC 926
 Db 1001 ACCGCTCCCCCCATATCTCACAAATTACTTGTCTGCTATGCTCTACRCAA 1060
 QY 927 AGATTGTTAATATTTGACACTCTCCATGTCAGTCAAGCTTGTCTGGTCTTGTCTGCTAA 986
 Db 1061 AGAGATTCGCAACTTGTCTGCTGATGCCACGGGCGTTGATGTTGCTCCAGTCCAA 1120
 QY 987 AGACACAACTCTGTGAGGACTTGGCTACTTGTGCTGGTTCCAGGAATACC 1046
 Db 1121 GGAACTTTCAGTCTGATGAGCATTCTGTTGACACTCAATAGGATTCAGGTTTC 1180
 QY 1047 TGGGAGAATTCGAGTAGCCAGGATGTCGAGTGTCTGAGAGTACGCTTGT 1106
 Db 1181 TGGCTCTATGCCAAATGGATCTCTGAGCTG-----GAACTCTGAGCTAT 1225
 QY 1107 CAACTGGATTACTATGAGGCTTGTCTATCCAGTGTCTGACTGGATCTCACCTCGAG 1166
 Db 1226 AAAGGAGGATGACTGAGAGACAGACAGGAGG-----TGCCACGGCAGTCTACITG 1282
 QY 1167 CGTGTTATTTGAGCTGAGATGTTGCTCAAGAGATGACATGTTGTC 1226
 Db 1283 TATTGTATCTATGAAACGGAGACTTAAGGAGCTGTTAATCACCAGGCTGTTGC 1342
 QY 1227 TAAATTTGATCTAAGTGTGACCTCATCTGATTAATCTGCGAGAAGCTGTA 1286
 Db 1343 TAACAGTTGAGCTTAACCTAACCCCTACTGTTGAGCTAGTGAGGATCG 1402
 QY 1287 AGAA 1290
 Db 1403 CGAA 1406

FILING DATE: 09-SEP-1993
 ATTORNEY / AGENT INFORMATION:
 NAME: Campbell, Cathryn A.
 REGISTRATION NUMBER: 31,815
 REFERENCE/DOCKET NUMBER: P-LJ 9526
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (619) 535-9001
 TELEFAX: (619) 535-8949
 INFORMATION FOR SEQ ID NO: 13:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1807 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 255..1454
 /US-08-474-065-13

Query Match 13.6%; Score 185.2; DB 2; length 1807;
 Best Local Similarity 52.1%; Pred. No. 6.4e-41; 0; Mismatches 438; Indels 24; Gaps 3;
 Matches 502; Conservative 327 TTGTCACATTATGAGCTTAAGAGTTATGCTCAAAGCTGTCTCAAGGAGGAA 386
 Qy 467 TTGCAAGGATGACTTGACCCAGACCTACATCACGCCCTTATCTAGGAGAGC 526
 Qy 3.87 AAGCTTCCAAATAGCTTATCTTGGTTTCCAAAGAAGTGAATTGTTGAAGCT 446
 Db 527 TGAATTCCTGCAATATACTGCAATTATGCTCATCTCATCTTGTACACCTTGCAAGCT 586
 Qy 447 TATCCATGTTATACACAGCAATTTACTGCAATTATGATGTAAGGAC 506
 Db 587 CTGAGGGTATTACATGCCAAATATCTACTGTCTCATGTGAAAGAAC 646
 Qy 507 TGAATTCCTGCAAGTGTGCAATTTAGCTAAGTCTTCCAAATTTCTATG 566
 Db 647 AACTGAATTAAAGATGCGTAGCAACTTAAAGCTCTCTTCCAAAGCTTCTGC 706
 Qy 567 TTCCAAATAGACGGCTGTGCAATTTAGCTAAGTCTTCCAAATTTCTATG 626
 Db 707 TTCCAGATAGACCGTGTCTATGAGGATCTCCAGGTCAGCTGAAGCT 766
 Qy 627 CTGGTGGACCTCTGAGCTCTCATCGTGAATTTGTTATCACTTGTGTGCGA 686
 Db 767 CATCAGAGACTTCTGCTCTGAGCTTCAAGACCTGGCA 826
 Qy 687 AGATTCCTCCGAACTGCAATTGTTGTCAGCTGAAACATCATGGAC 746
 Db 827 AGACTTCCCTGAAACACAAGAAATAGTCAGTATCTGAAGGATTTAAGTAA 886
 Qy 747 AAATATGTTGAGACCGTGAACCCCAACAGTAAATTGAAAGATTACATACCA 806
 Db 887 AAATACCCAGGGTGTGCCCCAGTCATGAAATGGAGGACTAAATGTCGA 946
 Qy 807 TGAATCTGACGGTGTGCTTATGAAATATGAGCTACATCAAACTTCGA 866
 Db 947 CCAAGACCCCTGGCA---AGAGCTTCTATGTTAGACAGCTGTA 1000
 Qy 867 GGAAGACCCCAATACATCGAATTGTTGCAAGCTTGTGTTTAAAGTC 926
 Db 1001 ACCGCTCCCTCCATATCTCACATTACTTGGCTCTCTAATGTCGA 1060
 Qy 927 ACCATTTAAATATTCACACTCATCGTCAAGCTTGTGCTCTCTAATGTC 986
 Db 1061 AGATTCCTGCAACTTCTGCAATGACCAAGGGCTGATGCTCTCTAATGTC 1120
 Qy 987 AGACACATCTCCGATGCACTTGTGCTCTGATCTGGTCAGGATAC 1046
 Db 1121 GACACTTCAACCTGATGACATTCTGGTGTGAACTCAATGATCAGGTTTC 1180
 Qy 1047 TGGGAGATTCGAGATGCCAGGATGTCGATGAGTAACTCGCTTGT 1105

RESULT 6
 US-07-955-041-3
 ; Sequence 3, Application US/07955041
 ; Patent No. 5360713
 ; GENERAL INFORMATION:
 ; APPLICANT: FUKUDA, MINORU
 ; ATTORNEY: BIRRHUIZEN, MARTI PA
 ; TITLE OF INVENTION: A NOVEL BET-1-6
 ; TITLE OF INVENTION: N-Acetylglucosaminyltransferase, its acceptor molecule,
 ; TITLE OF INVENTION: LEUKOSININ AND A METHOD FOR CLONING PROTEINS HAVING
 ; TITLE OF INVENTION: ENZYMIC ACTIVITY
 ; NUMBER OF SEQUENCES: 8
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: CAMPBELL AND FLORES
 ; STREET: 4370 LA JOLLA VILLAGE DRIVE, SUITE 700
 ; CITY: SAN DIEGO
 ; STATE: CALIFORNIA
 ; COUNTRY: USA
 ; ZIP: 92122
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patient Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/07/955, 041
 ; FILING DATE: 19910101
 ; CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: CAMPBELL, CATHRYN
 ; REGISTRATION NUMBER: 31,815
 ; REFERENCE/DOCKET NUMBER: P-LJ 9294
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 619-535-9001
 ; TELEFAX: 619-535-8949
 ; INFORMATION FOR SEQ ID NO: 3:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 2105 base pairs
 ; TYPE: NUCLEIC ACID
 ; STRANDEDNESS: both
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: cDNA
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: 220..1504
 ; FEATURE:
 ; NAME/KEY: polyA_signal
 ; LOCATION: 1913..1918
 ; FEATURE:
 ; NAME/KEY: misc_signal
 ; LOCATION: 248..314
 ; OTHER INFORMATION: /standard_name=
 ; OTHER INFORMATION: "SIGNAL/MEMBRANE-ANCHORING DOMAIN"

US-07-955-041-3

Query Match Similarity 12.6%; Score 172; DB 1; Length 2105;
 Best Local Similarity 51.7%; Pred. No. 2. 6e-37; Mismatches 445; Indels 36; Gaps 4;
 Matches 515; Conservative 0; Mismatches 445; Indels 36; Gaps 4;

QY 300 TGATGATCTGTGCAATGACAGCTGATGTCATGACATCTAAAGGTTATGC 359
 Db 489 TGAGCACTATAAACATGACAGCTGACTGTCTCTTCATCAAGAGCAATAT 548

QY 360 TCAAAGCTGTCTCAAGGAGGAGAAAGCTTCCATAGCTATCTTGTGTC 419
 Db 549 TGTAGAACCCCTTAGTAGAAGAAGGGCGAGTTCCATAGATATCTATGCTCA 608

QY 420 CAAGATGCAATTGGTGAAGGCTTACATGCTATACACAGCAATTA 479
 Db 609 TCAAGAGATGAAATGCTGACAGGCTGCTGAGGGCATCTATGCTGAATTCA 668

QY 480 CTGATCCATATGATGCTGAGGACCTGATCCTCAAGATGCTGCAATTAGC 539
 Db 669 TCGGTTCTGAGCACAAATGCTGAGGATCTTACGAGTCATGGCATCGC 728

QY 540 TAAGTGTCTCCATATTTCTCATGCTTCAATTAGGCTATGCTATACAGCAATT 599
 Db 729 TCCAGACTTCAGCTGATTTAACTCTGTGAGCTCTGAGTGGTTATGCTG 788

QY 600 TCCAGACTTCAGCTGATTTAACTCTGTGAGCTCTGAGTGGTTATGCTG 659
 Db 789 GAGCGGGTCTCAGCTGACTCTGAGTGGTGAACCGACAT 848

QY 660 GAATATGTTTGTGAGCTGCTGGCAAGATTCCCTGAGTCATTGTAATGGT 719
 Db 849 GAAGTACTTGTAAATCTTCTGTGTTATGGATTCCATTAAACACTTAATGT 908

QY 720 GTCGAGTTGAAACATCAATGAGAAATGTGAGGCTATGCTGAGTGGATCT 779
 Db 908 CAGAACTCAAGTGTGAAATGGCAACACTGAGAAACAGGAGGTCATCCA 968

QY 780 TAATGGAAAGTTCACTTACATCATGACTTAGCGGGGCCTATGATATGAA 839
 Db 969 TAAGAAAGTGGAGAGGGTAA-----GGCGTTATGAAAGTGC 1019

QY 840 GCTACCAATAGGAAACATCTCCAAAGGACCCCCATAACATTGAGATTTGT 899
 Db 1020 -----AACACAGGACTCTCAAAATGCTCTCCTCACTCGAAACACTCTCTC 1070

QY 900 TGGAGTGTATTTGTTTAAGTCAGCATTTGTAATATTTCAAACTCTCAT 959
 Db 1071 TGGAGTGTCTACTCTGCGTCACTAGGGAGTGTGGGTATGACTACAGAA 1130

QY 960 CGTCAAGCTTGTGCTTAAGACACATATCTCTGATCTGACTTTRGGC 1019
 Db 1131 AATCAAAGTTGAGGGCACACACATAAGCCCTGATGATCTCTGGC 1190

QY 1020 TACCTGATCTGAGTCCGGAAATCTGGGGAT--TCCAGATGAGCAGGAT 1076
 Db 1191 CACCACTCAAGGATCTCGAGCTACTCCCTGCAGCATAATGCT 1250

QY 1077 GTCTGATCTGAGTCAAGGATGCTGAGTCACTGAGTTT-- 1133
 Db 1251 ATCTGACATGCAAGGATCTCGAGCTACTCCCTGCAGCATAATGCT 1310

QY 1134 -----CTATCCAGTTACTGATCTCACCTCGAGCTGTTATG 1181
 Db 1311 CAAGGTTCTCTTACCCCGCTGAGTGCATCTGCTACTGCTTGG 1370

QY 1182 AGCTGAGGATTAAGGCTTATCAAGATGAGCTGTTGCTAAATTGATTG 1241
 Db 1371 AGCTGAGTGTGACTGGATGCGCGAACACACTGTTGCTCAATAGT 1430

QY 1242 TAAGTGGACCTATCTTAAATGCTGGCA 1277
 Db 1431 GGATGTTGACCTTGTGCAATCCAGTGTGGTGA 1466

RESULT 7

US-08-227-455-3

Sequence 3, Application US/08227455

Patient No. 5624332

GENERAL INFORMATION:

APPLICANT: FUKUDA, MINORU

APPLICANT: BIERHIZEN, MARTI FA

TITLE OF INVENTION: A NOVEL BETA-1-5

TITLE OF INVENTION: LEUKOSIALLIN AND A METHOD FOR CLONING PROTEINS HAVING

TITLE OF INVENTION: ENZYMIC ACTIVITY

NUMBER OF SEQUENCES: 8

CORRESPONDENCE ADDRESS:

ADDRESSEE: CAMPBELL AND FLORES

STREET: 4370 LA JOLLA VILLAGE DRIVE, SUITE 700

CITY: SAN DIEGO

STATE: CALIFORNIA

ZIP: 92122

COMPUTER READABLE FORM:

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DO/MS-DOS

SOFTWARE: Patient Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/227,455

FILING DATE: 14-APR-1994

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: CAMPBELL, CATHRYN

REGISTRATION NUMBER: 31.815

REFERRAL/DOCKET NUMBER: P-LJ 9957

TELECOMMUNICATION INFORMATION:

TELEPHONE: 619-535-9001

FAX: 619-535-8949

INFORMATION FOR SEQ ID NO: 3:

SEQUENCE CHARACTERISTICS:

LENGTH: 2105 base pairs

NAME/KEY: CDS

LOCATION: 220..1504

FEATURE: nucelic acid

TOPOLOGY: linear

MOLECULE TYPE: cDNA

LOCATION: 248..314

NAME/KEY: misc_signal

LOCATION: 248..314

OTHER INFORMATION: "standard name=

OTHER INFORMATION: "SIGNAL/MEMBRANE-ANCHORING DOMAIN"

US-08-227-455-3

Query Match Similarity 12.6%; Score 172; DB 1; Length 2105;
 Best Local Similarity 51.7%; Pred. No. 2. 6e-37; Mismatches 445; Indels 36; Gaps 4;
 Matches 515; Conservative 0; Mismatches 445; Indels 36; Gaps 4;

QY 300 TGATGATGTTGCGCACTGACAGCTGATGTCATGACATCTAAGGTTATGC 359
 Db 489 TGAGCACTATAAACATGACAGCTGACTGTCTCTTCATCAAGAGCAATAT 548

QY 360 TCAAAGCTGTCTCAAGGAGGAGAAAGCTTCCATAGCTATCTTGTGTC 419
 Db 549 TGTAGAACCCCTTAGTAGAAGAAGGGCGAGTTCCATAGATCTATGTTG 608

QY 420 CAAGATGCAATTGGTGAAGGCTTACATGCTATACACAGCAATTA 479
 Db 609 TCAAGATGAAATGCTGACAGGCTGCTGAGGGCATCTATGCTCAGATTCA 668

QY 480 CTGCATCCATTATGATCTAAGCCACCTGATACCTCAAGTGGCATGAAATTAGC 539
 QY ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 Db 669 TTGGTTCTGTGACAACTACCGAGGATTCCTATTAGCTGAGTGGGACATGC 728
 QY 540 TAAGTCCTTCGATATTCTGCTTCAATTAGGGCTTGAGGATTCATGGCCAT 599
 Db 729 TTCTCTTGTAGTATGCTTGTGGCAGCCATTGAGGTGTGTGTATGATGCG 788
 QY 600 TTCCAGACTCCAGGCTTAATTTGCTGAGGCTCTGAACTGCTCACTGAGGATCT 659
 Db 789 GACCGGCTTCAGCTGACTGAGTCACTGAACTGAGTCACTGAGGATCT 848
 QY ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 QY 660 GAATATGTTATCACTGTTGGCAAGATTCCCTGAAGTCAATTGAAATTGTTG 719
 Db 849 GAAGTACTGATAATCTTGTGTATGGATTCCGATTAAACCAACTGAAATTG 908
 QY 720 GTCAGAGTGTGAAAAACTCAATGGAGCAATGTTGAGACGGTGAACCCCAAACAG 779
 Db 909 CAGGAAGCTCAAGTGTATGGAGAACAACCTGAAAGGAGGATECCATCCA 968
 QY 780 TAATTGAAGAGTCACTTACATCATGAACTAGACATAGCAGGGGCCTATGATATG 839
 Db 969 TAAGAGAAGGTTGAGGAGGCTGATA-----GGCTTATGGAAAGCTGAC 1019
 QY 840 GCTTACCAATAAGGCAACACTCCAGGAGACCCCCATAACATTAGATATTG 899
 Db 1020 -----AACACAGGACTGCAAAATGCTCCACTGAAACCCCTCTCTTC 1070
 QY 900 TGGCAGTGTATTGTTGTTAAGTCAGCATGTTGTTAAATTTCAACACTCAT 959
 Db 1071 TGGCAGTGTACTCGGGCTAGTGGAGATGTCAGGCTGAGTGGGATGAGA 1130
 QY 950 CGTCAGCTTGTGGCTAAAGACACATACATCCTCCATGAGCACTTGGC 1019
 Db 1111 AATCCTAAAGTGTGAGGAGGCTACAGACATACGGCTGATGAGTCTCGGC 1190
 QY 1020 TACCTGTGTTGCGGAAATACCTGGGAGAT-----TTCCAGATGCCAGGATG 1076
 Db 1191 CACCATCCAAAGGATTCCTGAAGTCCGGCTACTCCCTGGCAGGATAGTC 1250
 QY 1077 GTCAGATGTCAGACTGAGACTGCGCTGTCAGTGTAACTTGTGAGCTTT 1133
 Db 1251 ATCTGACATGCAACAGCTGGCGAGTTCTGAGTGTGGATGTC 1310
 QY 1134 -----CTATCCAGTGTACTGGATCACCTCGAGCTGTGTTATTAGC 1181
 Db 1311 CAAGGGTCTCCCTACCCGCCCTCGATGAGTCACTGCGCTCACTGCG 1370
 QY 1182 AGTCGAGGATAAAGGCTCTCAAGATGGACATGTTGCTGCTAAATTGATTG 1241
 Db 1371 AGCCTGGTACTTGTGACTGATGCGCGAAACACACTGTTGCAATAGTGTACGT 1430
 QY 1242 TAAGGTGACCTTAATGTTAAATGCTGGAGA 1277
 Db 1431 GGATGTTGACCTTGTGGCATCCAGTGTGGATGA 1466
 RESULT 8
 US-08-472-482-3
 ; Sequence 3, Application US/08472482
 ; GENERAL INFORMATION:
 ; Patient No. 5658778
 ; APPLICANT: FURUDI, MINORU
 ; APPLICANT: BIERHUIZEN, MARTT FA
 ; TITLE OF INVENTION: A NOVEL BETA-1-6
 ; TITLE OF INVENTION: N-ACETYLGLUCOSAMINYLTRANSFERASE, ITS ACCEPTOR MOLECULE,
 ; TITLE OF INVENTION: LUBROSALIN AND A METHOD FOR CLONING PROTEINS HAVING
 ; NUMBER OF SEQUENCES: 8
 ; CORRESPONDENCE ADDRESS:
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 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/472,482
 FILING DATE:
 CLASSIFICATION: 435
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 07/955,041
 FILING DATE: 01-OCT-1992
 ATTORNEY/AGENT INFORMATION:
 NAME: CAMPBELL, CATHERYN
 REGISTRATION NUMBER: 31,815
 REFERENCE/DOCKET NUMBER: P-LJ 9294
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 619-535-9001
 TELEFAX: 619-535-9419
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2105 base pairs
 NAME/KEY: CDS
 LOCATION: 220..1504
 FEATURE:
 TYPE: nucleic acid
 STRANDEDNESS: both
 LOCATION: 1913..1918
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 FEATURE:
 NAME/KEY: misc signal
 LOCATION: 248..314
 FEATURE:
 OTHER INFORMATION: /standard name=
 LOCATION: 1913..1918
 OTHER INFORMATION: "SIGNAL/MEMBRANE-ANCHORING DOMAIN"
 US-08-472-482-3
 Query Match 12.6%; Score 172; DB 1; Length 2105;
 Best Local Similarity 51.7%; Pred. No. 2,6e-37;
 Matches 515; Conservative 0; Mismatches 445; Indels 36; Gaps 4;
 QY 300 TGATGATGTTGCGCATGACCTGAGCTGATGTTGACATTTAGACTCTAGAGCTTAAGAGTTATGC 359
 Db 489 TGACGACTATAAACATGACCTGAGCTGATGTTGACATTTAGACTCTAGAGAGCAATAT 548
 QY 360 TCAAAAGCTGTCTCAAGAGGAGGAGAAAGCTTCCCAATAGCTTATTTGGTTGTC 419
 Db 549 TGTAGACCCCTAGTAAAGAGAGGGAGGTTCCCAATAGCATTTCTATAGTGTCA 608
 QY 420 CAAGATGCAATTGTTGAGGCTTATCCATGCTATACACCGACAAATTAA 479
 Db 609 TCACTAGATGAACTGCTGAGCGCTGTCGAGGCCATCTATGCTCAGATTCA 668
 QY 480 CTGCATCCATTATGATGTTAGGACTGATCTCAAGTGGCTGAACTTAC 539
 Db 669 TTGGCTTCAGTGGAAACAACTCGAGGATTCCTATTAGCTGAGATGGGCACTGC 728
 QY 540 TAAGTCCTTCGAAATTCTGCTCAATTAGGGCTTGAGGATTCATGGCCAT 599
 Db 729 TTCTCTTGTAGTATGCTTGTGGCAGCCATTGAGGTGTGTGTATGATGCG 788
 QY 600 TTCCAGACTCAAGGCTTAATTTGCTGAGGCTCTGAGCTTCAAGTCACTG 659
 Db 789 GAGCGGGTTCAGCTGACTGATGCTGAGGATTCATGCTGAGGTTACCTG 848
 QY 660 GAATATGTTATCACTTGTGGCCAGATTCCCTGAAGTCAATTGATGTTG 719
 Db 849 GAGCTCTGATAATTTGTTGATGATTTCCTTACCAACTGAAATTG 908

Qy

720 GTCAGAGTTGAAAAACTCAATGGAGRAATATGTTGAGACGGTGAACCCCAAACAG 779

Db

909 CAGGAAGCTCAAGTGTAAATGGAGAAGACACACTGGAAACGGAGGATGCCATCCCA 968

Qy

780 TAATGGAAAGATTCACTTACCATCATGAACTAGAGGCTTATGAAATATGAA 839

Db

969 TAAGAAGAAGGTGGAAAGAGGGTATGA-----GGTGTATGGAAAGTGTAC 1019

Qy

840 GCTTACAAATAGGCAACATCCAGGAAACCCCATACATTAGA 899

Db

1020 -----AACACAGGCAACTCTGGTAAAGTCAAGCATGTTAAATATTCACATGATTTG 1070

Qy

900 TGGAGGTGTTATTTGTTAAGTCAAGCATGTTAAATATTCACATGATTTG 959

Db

1071 TGGAGCTACTCTGGTCAAGTGTGGTCAAGGAGATGGGATGTTGACTACATGAA 1130

Qy

960 CGTCAGAGCTTTTGCTGTTAAGACACATCTCTGTATGAGCACTTGGG 1019

Db

1131 AACCAAGTGTGGAGTGGCCACAGACATACAGCCGTATGAGTACCTGGC 1190

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1020 TACCTTGATTCGCTTCAGGAATACCTGGGAT-----TTCAGATCAGCCAGATG 1076

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1191 CACCATCCAAAGGTTCCGAAGTCCGGCTACTCCCTGGCAGCATAGTATGTC 1250

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1077 GTCGATCTGAGCTGAACTCGCCTTGCAAGTGGAACTATGAGGTTT----- 1133

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1251 ATCTGACATGCAAGCAGTGTGGCAGGTTCTCAAGTGGCACTTGGGATGTC 1310

Qy

1134 -----CTATCCCAAGTGTACTGGATTCACCTTGAGCGCTGTTATG 1181

Db

1311 CAAGGGTGTCCCTACCCGCCCTGGATGAGTCATGGGGCTCAGTGTGG 1370

Qy

1182 AGCTCGAGATAAGGTGCTTATCAAGATGGCACATGGTGTGTTAATTTATTC 1241

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1371 AGCTGTGACTGAACTGGATGCGCCAAACACACTGTTGCCATAAGTTGACG 1430

Qy

1242 TAAGGGGACCTATCTGATTAAATGCTGGAGA 1277

Db

1431 GGATGTGACTCTTGCCATCCAGTGTGGATGA 1466

RESULT 9

US-08-487-069-3

; Sequence 3, Application US/08487069

; Patent No. 5684134

; GENERAL INFORMATION:

; APPLICANT: FUJIOKA, MINORU

; TITLE OF INVENTION: A NOVEL BETA-1-6

; TITLE OF INVENTION: N-ACETYLGLUCOSAMINYLTRANSFERASE, ITS ACCEPTOR MOLECULE,

; TITLE OF INVENTION: LEUKOSALIN AND A METHOD FOR CLONING PROTEINS HAVING

; TITLE OF INVENTION: ENZYMATIC ACTIVITY

; NUMBER OF SEQUENCES: 8

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: CAMPBELL AND FLORES

; STREET: 4370 LA JOLLA VILLAGE DRIVE, SUITE 700

; CITY: SAN DIEGO

; STATE: CALIFORNIA

; COUNTRY: USA

; COMPUTER READABLE FORM:

; MEDIUM TYPE: FLOPPY DISK

; COMPUTER: IBM PC COMPATIBLE

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/487, 069

; FILING DATE: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 07/955, 041

; FILING DATE: 01-OCT-1992

ATTORNEY/AGENT INFORMATION:

NAME: CAMPBELL, CATHRYN

REGISTRATION NUMBER: 31,815

REFERENCE/DOCKET NUMBER: P-LJ 9294

TELEPHONE: 619-535-9001

TELEFAX: 619-535-8349

INFORMATION FOR SEQ ID NO: 3:

SEQUENCE CHARACTERISTICS:

LENGTH: 2105 base pairs

TYPE: nucleic acid

STRANDEDNESS: both

TOPOLOGY: linear

MOLECULE TYPE: cDNA

FEATURE:

NAME/KEY: CDS

LOCATION: 220..1504

FEATURE:

NAME/KEY: polyA_signal

LOCATION: 1913..1918

FEATURE:

NAME/KEY: misc_signal

LOCATION: 248..314

OTHER INFORMATION: "standard name=

OTHER INFORMATION: "SIGNAL/MEMBRANE-ANCHORING DOMAIN"

US-08-487-069-3

Query Match 12.6%; Score 172; DB 1; Length 2105;

Best Local Similarity 51.7%; Pred. No. 2.6e-37; Matches 515; Conservative 0; Mismatches 445; Indels 36; Gaps 4;

Db 300 TGATGTTGTTGGCAATGACCTGATGTTGACATTATGAGCTTAAAGAGTTGGC 359

Qy 489 TGACGCTATATAACATGACCACTGACTGTTCTCTTCATCAGAGCAGCAATAAT 548

Db 360 TCAAGCTGCTCAAGAGGGAAAGCTCCATATGCTTATGTTGGTGTGCA 419

Db 549 TCTAGACCCCTTAAAGAGGGGAGTTCCATAGCATATCTATAGTGTCA 608

Qy 420 CAAGATGCAATTATGGTGAAGGCTTATCCATGCTTATACACACACATTTA 479

Db 609 TCACAGATGAAATGCTGACAGCTGCTGAGCTTGTGAGTCATGATCTCA 668

Qy 480 CTGCATCCATTATGATGTTGAGGACCTGATACCTTCAAGTGCCTAGCATTTAGC 539

Db 669 TTGCGTCTCATGGACACAAATCGGAGATCTTATTTAGCTGAGTGTGGCATGC 728

Qy 540 TAAGCTTCTCCAAATTTCATGCTTCATGCTCAATTAGGGCTGAGTATGCCACAT 599

Db 729 TTCTCTTTAGTAAATGCTTGTGCGAGCTGATGTTGAGTTGATGCTG 788

Qy 600 TTCCAGACTCAGGTGTTAATTCATGCTTCATGCTCAATTAGGGCTGAGTATGCCACG 659

Db 789 GAGCCCGTCAAGGTGACCTGCACTGAGGATCTCTATGAAATGAGTGGAGA 848

Qy 660 GAATATGTTCAACTGGTGTGACCAAGATTGTCCTGAGTCATTTGAAATTTGAAAT 719

Db 849 GAACTCTGATAATCTTGTGTTGATGGTTCCATTAACCAACCTAGAAATG 908

Qy 720 GTCAGAGTTGAAACATCTGGAGAACCCCAACAG 779

Db 909 CAGGAAGCTCAAGTGTAAATGGAGAAGACACCTGGAAACGGAGGATGCCATCCCA 968

Qy 780 TAATGGAAAGATTCACTTACCATCATGAACTAGAGGCTTATGAAATATGAA 839

Db 969 TAAGAAGAAGGTGGAAAGAGGGTATGA-----GGTGTATGGAAAGTGTAC 1019

Qy 840 GCTTACAAATAGGCAACATCCAGGAAACCCCATACATTAGA 899

Db 1020 -----AACACAGGCAACTCTGGTAAATGCTTCCTCCACTCTGAAACACTCTTC 1070

Qy 900 TGGAGGTGTTATTTGTTAAGTAACTGTTTAATATTTCAACAACCTCC 959

Query Match 11.8%; Score 160.8; DB 3; length 2102;
 Best Local Similarity 51.0%; Pred. No. 3e-34; Mismatches 452; Indels 36; Gaps 4;
 Matches 508; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 1071 TGGCAAGTGCTACTTCGTTGTCAGTAGGGAGTAGTGGGATGACTACAGAATGAAA 1130
 Qy 960 CGTCAGCTTTCGGGCTAAAGACATATCTCTGAGGACTTGGG 1019
 Db 1131 AACCCAAGGTTGGAGGTTGGGCTAACAGACATACAGGG 1190
 Qy 1020 TACCTGATTCGGGTCGGGAACTGGGAGAT--TTCAGATCGAGGATG 1076
 Db 1191 CACCATCCAAAGGATTCCTGAGAAGCCGGCTACTCCCTGCAC 1250
 Qy 1077 GTCAGATCGAGGTTGGGAGCTCTGAGGGATATGAGGTTT-- 1133
 Db 1251 ATCTGACATCGAGGTTGGGAGCTCTGAGGGATATGAGGTTT 1310
 Qy 1134 -----CTATCCAGTGACTGATGAGCTACCTGGGAGATG 1250
 Db 1311 CAAGGTTGGTCCACCCGCTGGATGAGGAGCTGAGGTTT 1370
 Qy 1182 AGCTGAGATAAAGGTTCAAAAGGATGACATGTTGTTGATATTG 1181
 Db 1371 AGCTGAGCTGACTGATGAGCTGGCAACACCACTGTTG 1430
 Qy 1242 TAAGTGGACCTACTCTTAAATGCTGGAGA 1277
 Db 1431 GGATGTTGAACTCTTGGCATCCAGTGGATGA 1466

RESULT 10

US 09-063-237-3

Sequence 3, Application US/09063237

PATENT NO. 6124267

GENERAL INFORMATION:

APPLICANT: McEver, Rodger P.

APPLICANT: Cummings, Richard D.

APPLICANT: O'Glynn, Inhibitors of Selectin Mediated

TITLE OF INVENTION: Inflammation Derived from PSGL-1

NUMBER OF SEQUENCES: 5

CORRESPONDENCE ADDRESSES:

ADDRESSEE: Patrea L. Pabst

STREET: 2800 One Atlantic Center, 1201 West Peachtree Street

CITY: Atlanta

STATE: Georgia

COUNTRY: US

ZIP: 30306-3450

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/063, 237

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/649, 802

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Pabst, Patrea L.

REFERENCE NUMBER: 31, 284

TELECOMMUNICATION INFORMATION:

TELEPHONE: (404) 873-8794

TELEFAX: (404) 873-8795

INFORMATION FOR SEQ ID NO: 3:

SEQUENCE CHARACTERISTICS:

LENGTH: 2102 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

MOLECULE TYPE: cDNA

US-09-063-237-3

Query Match 11.8%; Score 160.8; DB 3; length 2102;
 Best Local Similarity 51.0%; Pred. No. 3e-34; Mismatches 452; Indels 36; Gaps 4;
 Matches 508; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 848 GAACTGCTTAACTTCTGTTGATGTTCCATAAACCACTGAAATG 907
 Db 788 GAGCCGGTCAAGCTGACCTCACTGATGGCAATTTGAGTC 847
 Qy 660 GAAATGTTCAACTTGTGGGGAAAGTTCCCTGAGTCAAATTGATG 719
 Db 720 GTCAGGTTGAAAACTCATGGAAATATGTTGGAGGTTGAAACCCAAACAG 779
 Db 908 CAGCAAGCTCAAGTCTTAATGGGAAACAACTGGAAACAGGAGATGCCA 967
 Qy 780 TAATGGAAGGATCTTACCATGACTAGCTAGGATTTCCCTGAGTC 839
 Db 968 TAAGAACAAAGGTGGAGAGCCCTATGA-----GGTCGTTATGAAAGCTG-- 1016
 Qy 840 GCTACCAATAGGACAAACATCTCAGAGGACCCCCATAACATTGAGATTTG 899
 Db 6017 -----ACAAACAGGGACTGTAATGCTTCCACTCGAACACTCTCTTTC 1069
 Db 900 TGGCAAGCTTATGTTAGGTTAAATATTCACACTCAT 959
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 Qy 960 CGTCAGACTTTCCTGCTTCAAGACATCTCTGATGAGGACTTGGG 1019
 Db 1130 AACCCAAGGTTGGAGGTTGGCAAGACATACAGGGCTGTGAGTATCTGGC 1189
 Qy 1020 TACCTGATTCGGGTCGGGAACTGGGAGAT--TTCAGATCGAGGAGT 1076
 Db 1190 CACCATCCAAAGGATCTGGAGTCGGCTACTCCCTGAGGCTAACAGAATGATC 1249
 Qy 1077 GTCAGTGTGAGGTTGGGAGCTCTGAGGGATATGAGGCTTT-- 1133
 Db 1250 ATCTGACATCGAGGTTGGGAGCTCTGAGGGATATGAGGTTT 1309
 Qy 1134 -----CTATCCAGTGACTGATGAGCTACCTGGGAGATG 1181
 Db 1310 CAAGGTTGGCTCCATCCGGCTTGGAGTCTGAGGCTCGTGTGATTTGCG 1369
 Qy 1182 AGCTGAGATAAAGGTTCAAAAGGATGACATGTTGTTG 1241
 Db 1370 AGCTGAGCTGACTGAGCTGGCAACACCACTGTTGCGCAATACTGAGT 1429
 Qy 1242 TAAGTGGACCTATCTGATTAATCTTGCGAGA 1277
 Db 1430 GCATGTTGAACTCTTGGCATCCAGTGTGCGATGA 1465

RESULT 13
Sequence 1, Application US/08488135
; GENERAL INFORMATION:
; APPLICANT: Fukuda, Minoru
; ATTORNEY/AGENT INFORMATION:
; NAME: Bierhuisen, Marti F.A.
; TITLE OF INVENTION: Expression of the Developmental I
; TITLE OF INVENTION: Antigen BY a Cloned Human cDNA Encoding a Member of a
; NUMBER OF SEQUENCES: 14
; ADDRESSEES: Campbell and Flores
; STREET: 4370 La Jolla Village Drive, Suite 700
; CITY: San Diego
; STATE: California
; COUNTRY: USA
; ZIP: 92122
; COMPUTER READABLE FORM:
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/488,135
; FILING DATE:
; CLASSIFICATION: 424
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/118,906
; FILING DATE: 09-SEP-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Campbell, Cathryn A.
; REGISTRATION NUMBER: 31,815
; REFERENCE/DOCKET NUMBER: P-LJ 9526
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 535-9001
; TELEFAX: (619) 535-8949
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 378 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..378
; US-08-488-135-1

Query Match 8.9%; Score 121.2; DB 1; Length 378;
Best Local Similarity 58.2%; Pred. No. 9.7e-24; Indels 0; Gaps 0;
Matches 213; Conservative 0; Mismatches 153; Indels 0; Gaps 0;

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QY 13 CCTTATCTAGGAGAAC3TGACTTCCCTGGATATAATGGTCATCCATCAC 72
QY 427 GCAATTATGGAGGTATCAGTATATACACAGCACATTTACTGATC 486

RESULT 14
Sequence 1, Application US/08474065
; GENERAL INFORMATION:
; APPLICANT: Fukuda, Minoru
; ATTORNEY/AGENT INFORMATION:
; NAME: Bierhuisen, Marti F.A.
; TITLE OF INVENTION: Expression of the Developmental I
; TITLE OF INVENTION: Antigen BY a Cloned Human cDNA Encoding a Member of a
; NUMBER OF SEQUENCES: 14
; ADDRESSEES: Campbell and Flores
; STREET: 4370 La Jolla Village Drive, Suite 700
; CITY: San Diego
; STATE: California
; COUNTRY: USA
; ZIP: 92122
; COMPUTER READABLE FORM:
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/474,065
; FILING DATE:
; CLASSIFICATION: 424
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/118,906
; FILING DATE: 09-SEP-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Campbell, Cathryn A.
; REGISTRATION NUMBER: 31,815
; REFERENCE/DOCKET NUMBER: P-LJ 9526
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 535-9001
; TELEFAX: (619) 535-8949
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 378 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..378
; US-08-474-065-1

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QY 607 CTCCAGGCTGATTAATGCTCTGCTGAACTCTCTGAGCTTCAACTGGAAATAT 666
Db 253 CTCCAGGCTGACTGACTGACTGATAGATCTTCTGCTGAGCTTCTGAGGATC 312
QY 667 GTTATCACTGTGTGAGGAAAGTTCCCTGAAGCAATTGATGGTGTAGAG 726
Db 313 GTTATCAACACTGGGAGACTTCCCTGAAACACAGGAATAGTTCACTGAT 372
QY 727 TTGAAA 732
Db 373 CTGAAA 378

Db 73 TTGACCTTGGAGGGCTCTGAGGCTTACTGCCCCAAATACTACTGTT 132
QY 487 CATATGATCTGTAAGGACCTGATGACTCTCAAGTGTGCTGAGCAATTGCTAAGGC 546
Db 133 CATGREGATGAAAGAACACACTGATTAAGATGGCTGGTGTAGGCACATTAGTG 192
QY 547 TTCTCCAAATTTCATCTTCAATAATAGGCTGTTGAATAGCCACATTCCAGA 606
Db 193 TTCCCAAACGCTTCTGAGTCCAGGAGGAAACGGTGTCTGAGGATCTCAGG 252
QY 607 CTCCAGGCTGACTGACTGACTGATAGCTGATGGAAATTCAGGAAAT 666
Db 253 CTCCAGGCTGACTGACTGACTGATAGCTGATGGAAATTCAGGAAAT 312
Db 373 CTGAAA 378

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Om nucleic - nucleic search, using sw model.

Run on: January 31, 2004, 14:13:05 ; Search time 524 Seconds

Sequence: (without alignments) 9473.065 Million cell updates/sec

Title: US-10-084-406-1
 Perfect score: 1362

Sequence: 1 atgaaagatattcaaatgtta.....atccactaccacatcatga 1362

Scoring table: IDENTITY_NUC

GapOp 10.0 , GapExt 1.0

Searched: 2434939 seqs, 1822278265 residues

Total number of hits satisfying chosen parameters: 4869878

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications_NA:*

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2: /cgn2_6/ptodata/2/pubbra/PCM_NEW_PUB.seq:*

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18: /cgn2_6/ptodata/2/pubbra/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

RESULT 1
 US-10-388-307-1
 Sequence 1, Application US/10388307
 Publication No. US20030180778A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Schwenteck, Tilo
 ; ATTORNEY: Claen, Henrik
 ; TITLE OF INVENTION: UDP-N-Acetylglucosamine:
 ; TITLE OF INVENTION: Galactose-beta1,3-N-Acetylgalactoseamine-alpha-R / (GlcNAc
 ; TITLE OF INVENTION: tlc GalNAc) beta1,6-N-Acetylglucosaminyltransferase, CGNAC
 ; FILE REFERENCE: 4503/1G031
 ; CURRENT APPLICATION NUMBER: US/10388, 307
 ; CURRENT FILING DATE: 2003-03-13
 ; PRIORITY APPLICATION NUMBER: US/09/645,192
 ; PRIORITY FILING DATE: 2000-08-24
 ; PRIORITY APPLICATION NUMBER: US 60/150,488
 ; PRIORITY FILING DATE: 1999-08-24
 ; NUMBER OF SEQ ID NOS: 17
 ; SOFTWARE: FASTSEQ for Windows Version 3.0
 ; SEQ ID NO 1
 ; LENGTH: 1362
 ; TYPE: DNA
 ; ORGANISM: Human
 ;
 US-10-388-307-1
 Query Match 100.0%; Score 1362; DB 13; length 1362;
 Best Local Similarity 100.0%; Pred. No. 0;
 Matches 1362; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGAAAGATATTCAATGTTAATTTACATACCTACACAGAGTTCACTCTGTT 60
 1 ATGAAAGATATTCAATGTTAATTTACATACCTACACAGAGTTCACTCTGTT 60
 1 ATGAAAGATATTCAATGTTAATTTACATACCTACACAGAGTTCACTCTGTT 60
 61 TAAACCTATGGCTCTCTGTTAAGCTCTAAGTGGAGGAGCTTCCGCA 120
 61 TAAACCTATGGCTCTCTGTTAAGCTCTAAGTGGAGGAGCTTCCGCA 120
 Qy 121 AAAGAAATTACTTGTGAGTACCTCTAATCCGCTTGTAGAAACGATAC 180

Result No. Score Query Length DB ID Description
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 Sequence 10, Appli
 Sequence 7, Appli
 Sequence 1, Appli
 Sequence 12, Appli
 Sequence 1, Appli
 Sequence 14, Appli
 Sequence 14, Appli
 Sequence 3, Appli
 Sequence 43, Appli
 Sequence 33, Appli
 Sequence 155, Appli
 Sequence 1, Appli
 Sequence 16, Appli

Db 121 AAGACATTACTTGTGAGTACTCCCTAAGTACCTGCCCTTGAAAGACAGATC 180
 QY 181 ACTCATGTTAAGCTGAAGTCAGTATCAAGTAACTGTTCGGTATCTAGAACGGAG 240
 Db 181 ACTCATGTTAAGGTGAGTCAGTATCAAGTAACTGTTCGGTATCTAGAACGGAG 240
 QY 241 CCTTGGAAATTGAAAGCTGCTGAATTAAGAGGGACATCATGTACTGGGGAT 300
 Db 241 CCTTGGAAATTGAAAGCTGCTGAATTAAGAGGGACATCATGTACTGGGGAT 300
 QY 301 GATGATGTTGGCAATGCCAGTGATGTCATGACTCTAGAGGTATGCT 360
 Db 301 GATGATGTTGGCAATGCCAGTGATGTCATGACTCTAGAGGTATGCT 360
 QY 361 CAAAGCTCTCAAGGGAGAACCTCCATAGCTATCTTGGTGCAC 420
 Db 361 CAAAGCTCTCAAGGGAGAACCTCCATAGCTATCTTGGTGCAC 420
 QY 421 AAAGATGCAATTGGTCAAAAGGAGAAAGCTCCATAGCTATCTTGGTGCAC 420
 Db 421 AAAGATGCAATTGGTCAAAAGGAGAAAGCTCCATAGCTATCTTGGTGCAC 420
 QY 481 TGCATCCATTATGATCGTAAAGCTTACCTATACACCGACATATTAC 480
 Db 481 TGCATCCATTATGATCGTAAAGCTTACCTATACACCGACATATTAC 480
 QY 541 AAGTGTCTTCCATTATTCATGCTCCTAAATTAGGGCTGAGTATGCCATT 600
 Db 541 AAGTGTCTTCCATTATTCATGCTCCTAAATTAGGGCTGAGTATGCCATT 600
 QY 601 TCCAGACTCAGGTGATTAAATGCTGTCTGACCTCTGAGTCATCCAGTG 660
 Db 601 TCCAGACTCAGGTGATTAAATGCTGTCTGACCTCTGAGTCATCCAGTG 660
 QY 661 AAATATGTTACACTGTGGCAAGTTCCCTGAACTCAATTGATGGT 720
 Db 661 AAATATGTTACACTGTGGCAAGTTCCCTGAACTCAATTGATGGT 720
 QY 721 TCAGAGTCAAACACTCACTGCTGCGCAAGTTCCCTGAACTCAATTGATGGT 780
 Db 721 TCAGAGTCAAACACTCACTGCTGCGCAAGTTCCCTGAACTCAATTGATGGT 780
 QY 781 AAATGGAAAGATCACTTACCATGACTAGACGGGCTATGATATGGAAAG 840
 Db 781 AAATGGAAAGATCACTTACCATGACTAGACGGGCTATGATATGGAAAG 840
 QY 841 CTACCAATAGGACAACTCTCCAGGAGACCCCCCATACATGGATTTG 900
 Db 841 CTACCAATAGGACAACTCTCCAGGAGACCCCCCATACATGGATTTG 900
 QY 901 GGCAGTGTCTATTGTTAAGTCAGAAGATTGTTAAATTTCAACACTCATC 960
 Db 901 GGCAGTGTCTATTGTTAAGTCAGAAGATTGTTAAATTTCAACACTCATC 960
 QY 961 GTTCAGACTTTCGCTTAAGCACACTCTCCCTGATGAGCTTGGCT 1020
 Db 961 GTTCAGACTTTCGCTTAAGCACACTCTCCCTGATGAGCTTGGCT 1020
 QY 1021 ACCTGATCGGTTTCAAGGAAACTGGGAGATTCCAGATGCCAGGTGCT 1080
 Db 1021 ACCTGATCGGTTTCAAGGAAACTGGGAGATTCCAGATGCCAGGTGCT 1080
 QY 1081 GATCTGGAGACTGACTCGCTGTCAGTGGAAATTGAGTTCTACCC 1140
 Db 1081 GATCTGGAGACTGACTCGCTGTCAGTGGAAATTGAGTTCTACCC 1140
 QY 1141 AGTGTGACTGACTCACCTCGAAGCGTGTATTAGGTGCAAGTAAAGGG 1200
 Db 1141 AGTGTGACTGACTCACCTCGAAGCGTGTATTAGGTGCAAGTAAAGGG 1200
 QY 1201 CTTATCAAGTGGACATTTGCTTAATTTGATCTAAGTGGACCCATCTG 1260

RESULT 2
 US-10-084-406-1
 ; Sequence 1, Application US/10084406
 ; Publication No. US20030054525A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Schwante, Tilo
 ; TITLE OF INVENTION: UDP-N-Acetylglucosamine:
 ; TITLE OF INVENTION: Galactose beta1,3-N-Acetylglucosamine-alpha-R / (GlcNAc
 ; TITLE OF INVENTION: to GalNAc) beta1,6-N-Acetylglucosaminyltransferase, C2Gm3
 ; FILE REFERENCE: 450311G011
 ; CURRENT APPLICATION NUMBER: US10/084,406
 ; CURRENT FILING DATE: 2002-02-25
 ; PRIOR APPLICATION NUMBER: 09/645,192
 ; PRIOR FILING DATE: 2000-08-24
 ; NUMBER OF SEQ ID NOS: 17
 ; SOFTWARE: FastSBQ for Windows Version 3.0
 ; SEQ ID NOS: 1
 ; LENGTH: 1362
 ; TYPE: DNA
 ; ORGANISM: Human
 ; US-10-084-406-1
 Query Match 100.0%; Score 1362; DB 15; Length 1362;
 Best Local Similarity 100.0%; Pred. No. 0; Mismatches 0; Indels 0; Gaps 0;
 Matches 1362; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 ATGAGATATTCAATGTTAACTTACCTCTACAGCAGAAAGTTCACTCTT 60
 Db 1 ATGAGATATTCAATGTTAACTTACCTCTACAGCAGAAAGTTCACTCTT 60
 QY 61 TAAACCTATGGCTCTCTTGTAAAGCTCTAAATGTGAGACAGACTCTCCGAA 120
 Db 61 TAAACCTATGGCTCTCTTGTAAAGCTCTAAATGTGAGACAGACTCTCCGAA 120
 QY 121 AAGACATTACTGTGAGTACCTCTAAGTACCTGCTGAGCTTGTGAGAACGATC 180
 Db 121 AAGACATTACTGTGAGTACCTCTAAGTACCTGCTGAGCTTGTGAGAACGATC 180
 QY 181 ACTCATGTTAGGATGAGTCAGTGTAGGTTACTGTGCTGGTTGAGCTGAGGG 240
 Db 181 ACTCATGTTAGGATGAGTCAGTGTAGGTTACTGTGCTGGTTGAGCTGAGGG 240
 QY 241 CCTTGGAAATTGGAAGACTCTGCAATAGAGGACATCTACCTGGGT 300
 Db 241 CCTTGGAAATTGGAAGACTCTGCAATAGAGGACATCTACCTGGGT 300
 QY 301 GATGATGTTGGCAATGAGCTGAGCTGACATTATGAGCTCTAGGTTGCT 360
 Db 301 GATGATGTTGGCAATGAGCTGAGCTGACATTATGAGCTCTAGGTTGCT 360
 QY 361 CAAACTCTGCTCAAGGGAGAACCTCCATAGCTCTTCTGTTGCTCCAC 420
 Db 361 CAAACTCTGCTCAAGGGAGAACCTCCATAGCTCTTCTGTTGCTCCAC 420
 QY 421 AAAGTGAATTGTTGAAAGCTTACCTATACACCGACATATTAC 480
 Db 421 AAAGTGAATTGTTGAAAGCTTACCTATACACCGACATATTAC 480
 QY 481 TCCATCATATGATGCTAAGGACCTGACCTCTAAGTGGCTCATGACAATTACT 540
 Db 481 TCCATCATATGATGCTAAGGACCTGACCTCTAAGTGGCTCATGACAATTACT 540

QY 541 AAGTGCCTCTCCAAATTTCATGCTCCAAATTAGAGCCGTGTGAATTGCCACATT 600
 Db 541 AATGCTTCCTCCAAATTTCATGCTCCAAATTAGAGCCGTGTGAATTGCCACATT 600
 QY 601 TCCAGACTCCAGGTAAATTAAATGCTTCTGGACCTTGTGAAGTCTTAATCAGTG 660
 Db 601 TCCAGACTCCAGGTAAATTAAATGCTTCTGGACCTTGTGAAGTCTTAATCAGTG 660
 QY 661 AATATGTTTAACTTGTGGCAGATTTCCCTGTGAAGTCAATTGTGAATTGTGG 720
 Db 661 AATATGTTTAACTTGTGGCAGATTTCCCTGTGAAGTCAATTGTGAATTGTGG 720
 QY 721 TCCAGTTGAAACACTCAGGAAATATGTGGAGGGTAAACCCCAAACAGT 780
 Db 721 TCCAGTTGAAACACTCAGGAAATATGTGGAGGGTAAACCCCAAACAGT 780
 QY 781 AATTTGAAAGATTCACTTACATCATGACTAGAGGTTCCCTATGATATGAG 840
 Db 781 AATTTGAAAGATTCACTTACATCATGACTAGAGGTTCCCTATGATATGAG 840
 QY 840 GCGAGTGTATTATTTGTTAATGTCAGGAAATTGTGAATATTTCAACACTCC 960
 Db 840 GCGAGTGTATTATTTGTTAATGTCAGGAAATTGTGAATATTTCAACACTCC 960
 QY 841 CTACAAATAGGAAACATCTCCAAAGGACCCCTAAACITCGATATGTT 900
 Db 841 CTACAAATAGGAAACATCTCCAAAGGACCCCTAAACITCGATATGTT 900
 QY 900 GGGAGTGTATTATTTGTTAATGTCAGGAAATTGTGAATATTTCAACACTCC 960
 Db 900 GGGAGTGTATTATTTGTTAATGTCAGGAAATTGTGAATATTTCAACACTCC 960
 QY 960 GTCAGAACTTNTGCCTTAAGAACATCTCCAAAGGACCCCTAAACITCGATATGTT 1020
 Db 960 GTCAGAACTTNTGCCTTAAGAACATCTCCAAAGGACCCCTAAACITCGATATGTT 1020
 QY 1020 961 GTTCAGACTTNTGCCTTAAGAACATCTCCAAAGGACCCCTAAACITCGATATGTT 1020
 Db 1020 961 GTTCAGACTTNTGCCTTAAGAACATCTCCAAAGGACCCCTAAACITCGATATGTT 1020
 QY 1021 ACTTGTGATTCCAGGAAACTCTGGGAGATTCCATCACTCCGGATGTT 1080
 Db 1021 ACTTGTGATTCCAGGAAACTCTGGGAGATTCCATCACTCCGGATGTT 1080
 QY 1080 1021 ACTTGTGATTCCAGGAAACTCTGGGAGATTCCATCACTCCGGATGTT 1080
 Db 1080 1021 ACTTGTGATTCCAGGAAACTCTGGGAGATTCCATCACTCCGGATGTT 1080
 QY 1080 1021 ACTTGTGATTCCAGGAAACTCTGGGAGATTCCATCACTCCGGATGTT 1080
 Db 1080 1021 ACTTGTGATTCCAGGAAACTCTGGGAGATTCCATCACTCCGGATGTT 1080
 QY 1141 AGTTGTACTGATCTCACCTTCAGTGGTTGCTAAATGATCTAACCTCTCC 1200
 Db 1141 AGTTGTACTGATCTCACCTTCAGTGGTTGCTAAATGATCTAACCTCTCC 1200
 QY 1200 1141 AGTTGTACTGATCTCACCTTCAGTGGTTGCTAAATGATCTAACCTCTCC 1200
 Db 1200 1141 AGTTGTACTGATCTCACCTTCAGTGGTTGCTAAATGATCTAACCTCTCC 1200
 QY 1260 1201 CTTCATCAAGATGACATGGTTGCTAAATGATCTAACCTCTCC 1260
 Db 1260 1201 CTTCATCAAGATGACATGGTTGCTAAATGATCTAACCTCTCC 1260
 QY 1260 1201 CTTCATCAAGATGACATGGTTGCTAAATGATCTAACCTCTCC 1260
 Db 1260 1201 CTTCATCAAGATGACATGGTTGCTAAATGATCTAACCTCTCC 1260
 QY 1320 1261 ATTAATGTTGGAGAGCTGATGAAACAGCAGAGATGTTGCTAAATGATCTAACCTCTCC 1320
 Db 1261 ATTAATGTTGGAGAGCTGATGAAACAGCAGAGATGTTGCTAAATGATCTAACCTCTCC 1320
 QY 1320 1261 ATTAATGTTGGAGAGCTGATGAAACAGCAGAGATGTTGCTAAATGATCTAACCTCTCC 1320
 Db 1320 1261 ATTAATGTTGGAGAGCTGATGAAACAGCAGAGATGTTGCTAAATGATCTAACCTCTCC 1320
 QY 1362 1321 GAAAGTTTGTGATGAAATCTTACACATCTGA 1362
 Db 1362 1321 GAAAGTTTGTGATGAAATCTTACACATCTGA 1362
 QY 1362 1321 GAAAGTTTGTGATGAAATCTTACACATCTGA 1362
 Db 1362 1321 GAAAGTTTGTGATGAAATCTTACACATCTGA 1362

RESULT 3
 US-09-793-998-10
 ; Sequence 10, Application US/09-793-998
 ; Patient No. US20020042202A1
 ; GENERAL INFORMATION:
 ; APPLICANT: KORZAK, BOZENA
 ; APPLICANT: LEE, APTEL
 ; TITLE OF INVENTION: NOVEL CORE 2 BETA-1,6-N-ACETYLGLYCOSAMINYL TRANSFERASE
 ; FILE REFERENCE: GLYO-15
 ; CURRENT APPLICATION NUMBER: US/09-793, 998
 ; CURRENT FILING DATE: 2001-02-28
 ; PRIOR APPLICATION NUMBER: 60/185, 702
 ; PRIORITY FILING DATE: 2000-02-29
 ; NUMBER OF SEQ ID NOS: 11

Db 1762 GGCAGTCCTAATTGTTAAGTCAGCATTTGTAATATTCACAACTCCATC 1821 Qy 238 GACCTTGGAAATTGGAAAGACTCGAAATTAGAGAAGGGACATCATGACTGGAG 297
 961 GTTCAGAGCTTTTGCCTGGCTAAAGACACATCTCTCTGATAGCCTTGGCT 1020 Db 241 GACCTTGGAAATTGGAAAGACTCGAAATTAGAGAAGGGACATCATGACTGGAG 300
 Qy 1922 GTCAAGACTTTGCTGCTTAAAGACATCTCTCTGATAGCCTTGGCT 1081 Db 298 GACGATGTTGTTGGAAATGACCGAGGATGTTGAAATTTCAGAGCTTACAGAGCTT 357
 1021 ACTTGATTCGCGTTCCAGGAATACCTGGAGATTCAGCTGCGCTTGGCT 1080 Db 301 GACGATGTTGTTGGAAATGACCGAGGATGTTGAAATTTCAGAGCTTACAGAGCTT 360
 Db 1982 ACCTGATTCGCGTTCCAGGAATACCTGGAGATTCAGCTGCGCTTGGCT 1941 Qy 358 GCTCAAAGCTGCTCAAGAGGAGAAACCTCCAAATGCGCTTACCTTGGCT 417
 Qy 1081 GTCTGCAGAATAGCTGCTTGGAAATACCTGGAGATTCAGCTGCGCTTGGCT 1140 Db 361 CACAAAGCTGCTTAAAGGAGGAGACTCCCAAGCTTACAGAGCTTACCC 420
 1942 GATCTGCAGAGTAACTGGCTTGGCTTGTGAGGAACTTACCTGGAGCTTGGCT 2001 Qy 418 CACAAAGCTGCTTAAAGGAGGAGACTCCCAAGCTTACAGAGCTTACCC 480
 Db 1141 AGTGTGACTGGATCACCCTGAGGCTTGGAGCTGAGGAACTTACCTGGAGCTTGGCT 1200 Db 421 CACAAAGCTGCTTAAAGGAGGAGACTCCCAAGCTTACAGAGCTTACCC 480
 Db 2002 AGTGTGACTGGATCACCCTGAGGCTTGGAGCTGAGGAACTTACCTGGAGCTTGGCT 2061 Qy 478 TACTGCATCATATGACTGTAAGGCGCTGATACCTCAAGTTGGAGCTTACCC 537
 Qy 1201 CTATCAAGATGACATTTGTTGCTAAATATGATCTAAGTGGACCCATCTG 1260 Db 481 TACTGCATCATATGACTGTAAGGCGCTGATACCTCAAGTTGGAGCTTACCC 540
 Db 2062 CTATCAAGATGACATTTGTTGCTAAATATGATCTAAGTGGACCCATCTG 2121 Qy 538 GCTAAGCTTCCAAATTGATGCTTCAATTGCTTCAAGCTTACCC 597
 Qy 1261 ATTAATGCTTGGCAAGAAAGCTGAAGAACAGCAGAGAAGACTGGAGCTTGGCT 1320 Db 541 GCTTATGGTTCCCAATTGCTTCAATTGCTTCAAGCTTACCC 600
 2122 ATTAATGCTTGGCAAGAAAGCTGAAGAACAGCAGAGAAGACTGGAGCTTGGCT 2181 Qy 598 ATTCGCAACTCCAGGCTTCAATTGCTTCAATTGCTTCAAGCTTACCC 657
 Db 1321 GAAAGGTATTAGTGAATAATCTCACTACACATCATGA 1362 Db 601 ATATCCAGCTCCAGGCGATCTGACTGCTTCAATTGCTTCAAGCTTACCC 660
 Db 2182 GAAAGGTATTAGTGAATAATCTCACTACACATCATGA 2223 Qy 658 TGGAAATGTTCAACTTGTGGCGAAGTTCCCTGAGGAAATTGATG 717
 Db 661 TGGAGTACTCATCACTCTGCGCAAGCTTCCCTAAGCTTACCC 537
 Qy 718 GTGTGAGCTGATCACTCTGCGCAAGCTTCCCTAAGCTTACCC 777 Db 721 GTGAGCAGACTGATCACTCTGCGCAAGCTTCCCTAAGCTTACCC 780
 Qy 778 AGTAAATTGAAAGATCACTACATGACCAATATGTTGAGACGGGTGCTTATG 837 Db 781 GCTAAAGGGAGCTCCAGGAAATCTCCAGGAGGATATGTTGAGACGGGTGAGACCCCGT 840
 Qy 838 AAGCTACATAAAGAACACATCTCCAGGAGGACACCCCCATAACATTGAGATT 897
 Db 841 AACATCACTGATAGAAGACGCTTCCAGGGGGACACCCCTATACTACATCAGTT 900
 Qy 898 GTGGCGAGCTTATTGTTTGTGAGTAAAGCTTGTAAATATTTCAACATCC 957 Db 901 GTGGCGAGCTTATTGTTTGTGAGTAAAGCTTGTAAATATTTCAACATCC 960
 Qy 958 ATGCTGAGACTTGTGGCTGGCTAAAGACACATCTCTGAGCTTGTGAGCTTGTG 1017 Db 961 CTCGTGAAGACTTGTGGCTGGCTTAAAGCTTGTGAGCTTGTGAGCTTGTG 1020
 Qy 1018 GCTACCTGATCGGGTCCAGGATACCTGGAGATTCAGATAGCCAGGAGGTG 1077
 Db 1021 GCCACCTTAACTGGATACAGGATACCCGGGGGAAATTCCAGTTACCTCAGAGTG 1080
 Qy 1078 TCTGATCTGGAGAGTAACTGGCTTCAAGTGGAACTATGAGGCTTGT 1137 Db 1141 OCCAAATGACTGCTTCACTGGCTTCAAGTGGAACTATGAGGCTTGT 1140
 Qy 1 ATGAGATTCAGATGTTAAATACCTACAGCAGAGCTTCACTGCTT 60 Db 1081 TCTGACTGCGAGATTAACCCCTGCTTCAATGGCTTCAACCTCTCTCTC 60
 Db 1 ATGAGATTCAGATGTTAAATACCTACAGCAGAGCTTCACTGCTTCAACCTCTCTC 60 Qy 1138 CCCAGTGTGACTGGATCACCTGGTAAAGCTGGAGGTTTGGAGCTTACAGAGCTT 1197
 Qy 61 TTAACCTGTGGCTTCACTGGCTTCAAGTGGCTTCAACCTCTCTC 117 Db 1141 OCCAAATGACTGCTTCACTGGCTTCAAGTGGAACTATGAGGCTTGT 1200
 Db 1138 CCCAGTGTGACTGGATCACCTGGTAAAGCTGGAGGTTTGGAGCTTACAGAGCTT 1197
 Qy 118 TACATGAGATTCAGATGTTAAATACCTACAGCAGAGCTTCACTGCTTCAACCTCTC 1257 Db 1198 TGGCTTAACTGGAGGATTCAGGCTTGTGAGTAACTGAGGAGCTTACAGAGCTT 1257
 Qy 1201 TGGCTTAACTGGAGGATTCAGGCTTGTGAGTAACTGAGGAGCTTACAGAGCTT 1260 Db 1201 TGGCTTAACTGGAGGATTCAGGCTTGTGAGTAACTGAGGAGCTTACAGAGCTT 1260
 Db 121 CAAGAGAATTCAGATGTTAAATACCTACAGCAGAGCTTCACTGCTTCAACCTCTC 180 Qy 1258 TGGCTTAACTGGAGGATTCAGGCTTGTGAGTAACTGAGGAGCTTACAGAGCTT 1317
 Qy 178 TACATGAGATTCAGATGTTAAATACCTACAGCAGAGCTTCACTGCTTCAACCTCTC 237 Db 1261 TGGCTTAACTGGAGGATTCAGGCTTGTGAGTAACTGAGGAGCTTACAGAGCTT 1320
 Db 181 TTCCCGAGCTGCGGATCACCCGAGACCTTAACCTGCTTGTGAGGAGCTTACAGAGCTT 240 Qy 1318 TCGAAAGTATTAGTGAATACTGACTACACATCATGA 1362

RESULT 5
 ; Sequence 1, Application US/09793998
 ; Patent No. US2009045202A1
 ; GENERAL INFORMATION:
 ; APPLICANT: KORCZAK, BOZENA
 ; INVENTOR: LEM, APRIL
 ; TITLE OF INVENTION: NOVEL CORE 2 BETA-1, 6-N-ACETYLGLYCOSAMINYLTRANSFERASE
 ; TITLE OF INVENTION: GENE
 ; FILE REFERENCE: GLICO-T7P1
 ; CURRENT APPLICATION NUMBER: US/09797, 998
 ; CURRENT FILING DATE: 2001-03-02
 ; PRIORITY FILING DATE: 2000-02-28
 ; PRIORITY APPLICATION NUMBER: 60/185, 702
 ; NUMBER OF SEQ ID NOS: 11
 ; NUMBER OF SEQ ID NOS: 11
 ; SEQ ID NO 1
 ; LENGTH: 717
 ; TYPE: DNA
 ; ORGANISM: Unknown Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Description of Unknown Sequence: DNA sequence of human or
 ; OTHER INFORMATION: mouse core 2c
 ; NAME/KEY: modified_base
 ; LOCATION: (177)
 ; OTHER INFORMATION: a, t, c, g, other or unknown
 ; NAME/KEY: modified_base
 ; LOCATION: (675)
 ; OTHER INFORMATION: a, t, c, g, other or unknown
 ; US-09-793-998-1
 ;
 ; Query Match 23.0%; Score 312.6; DB 9; Length 717;
 ; Best Local Similarity 87.2%; Pred. No. 8.7e-79; Mismatches 0; Indels 0; Gaps 0;
 ; Matches 342; Conservative 517; Sensitive 517; Conservative 517; Indels 36; Gaps 3;
 ;
 ; QY 892 ATATTGTGGCACTGCTTATTGTTAAGTCAGCATGTTAATATTTAAC 951
 ; Db 1 ATATTGTGGCACTGCTTATTGTTAAGTCAGCATGTTAATATTTAAC 60
 ; QY 952 AACTCCATCGTTCAAGACTTTTCCTGGCTTAAGAACACATACCTCCATGAGCAC 1011
 ; Db 61 AACCTCAGTCAGTCAAGACTTTTCCTGGCTTAAGAACACATACCTCCATGAGCAC 120
 ; QY 1012 TTTGGGCACTTGTGATCGGGTCAGGAATACCGGGAGATTCCAGATGCCAG 1071
 ; Db 121 TTGGGGCACTTGTGATCGGGTCAGGAATACCGGGAGATTCCAGATGCCAG 400
 ; QY 497 GTAGGCACCTGATACCTCAAGATTCATGACAATTAGCTAAGTCGCTTCATAA 556
 ; Db 401 AGAAGTCCCAGAACTTCAGAGGGCTCAAGAACATTCAGGAAATTTCTG 460
 ; QY 557 TTTCATGCTTCAAAATTAGGGCTGGAAATATGCCACATTCCAGACTCCAGCTG 616
 ; Db 461 TCTTCATGCCAGAACTTCAGGCTGGGGTATGCTCCCTGGCTCCAGGGTCAGCTG 520
 ; QY 617 ATTAATGCTGTCGACCTTCTGAAGTCCTAAATCAGGAAATATGTTATCCT 676
 ; Db 521 ACTCACAATGCTGTCGACCTTCTGAAGTCCTAAATCAGGAAATATGTTATCCT 580
 ; QY 677 TGTGGGGCAAGATTTCCTCAAGTCAGGAAATTGATGGTGTAGAGTGAAGAAC 736
 ; Db 581 CATTGGGACGGACTTCCTATAAGGCAATCAGGATGTCCTCAGGCTCTCAAGATG 640
 ; QY 737 TCAATGGGACAAATATGTTGAGACGGGAACCCCAACAGCAATTAATGGAAAGATCA 796
 ; Db 641 TGTGGGGCAAGATTTCCTCAAGTCAGGATCTCTCAAGCAAGAACCCGCTGGA 700
 ; QY 797 CTACCATCATGACTTAGACGGGTGCTTAAATGATGAGCTACCAATAGGACAA 856
 ; Db 701 AATACATCTTGAGTAGGAGACACATACAC 742
 ;
 ; QY 1132 TTCTATCCCAAGTTGACTGATCTCCACCTTCGAGCGTGATTTATGGAGAA 1191
 ; Db 241 TTCTATCCCAAGTTGACTGATCTCCACCTTCGAGCGTGATTTATGGAGAA 300
 ; QY 1192 TTAAGGTGACTTAAAGATGGACATTTGTTGCTATAATTTCTAAGGTGAC 1251
 ; Db 301 TTGATGATGCTCAGGCCATACCTGATGCGCAACAGTTGAGCTGAGAT 360
 ; QY 1252 CCTATCTCTGATTAATGCTGGAGAAAGCT 1283
 ; Db 361 GAAATGCTCAGTGTAGGAGAAATCT 392
 ;
 ; RESULT 6
 ; US-09-797-207-12
 ; Sequence 12, Application US/09797207
 ; Patent No. US200905563A1
 ; GENERAL INFORMATION:
 ; APPLICANT: KORCZAK, BOZENA
 ; INVENTOR: LEM, APRIL
 ; TITLE OF INVENTION: NOVEL CORE 2 BETA-1, 6-N-ACETYLGLYCOSAMINYLTRANSFERASE
 ; TITLE OF INVENTION: GENE
 ; FILE REFERENCE: GLICO-T7P1
 ; CURRENT APPLICATION NUMBER: US/09797, 998
 ; CURRENT FILING DATE: 2001-03-02
 ; PRIORITY FILING DATE: 2000-02-28
 ; PRIORITY APPLICATION NUMBER: 60/118, 674
 ; NUMBER OF SEQ ID NOS: 100
 ; NUMBER OF SEQ ID NOS: 100
 ; SEQ ID NO 12
 ; LENGTH: 1221
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Description of Artificial Sequence: Recombinant
 ; OTHER INFORMATION: DNA
 ; US-09-797-207-12
 ;
 ; Query Match 14.1%; Score 191.8; DB 9; Length 1221;
 ; Best Local Similarity 52.5%; Pred. No. 5.3e-44; Mismatches 432; Indels 36; Gaps 3;
 ; Matches 517; Conservative 0; Mismatches 432; Indels 36; Gaps 3;
 ;
 ; QY 317 TGACCAAGTATGACATTATCAGACTCTAGAGGTATGCTCAAAGCTGTCTAA 376
 ; Db 221 TCCACAGAGACTGTGAGACTTAAAGCTGAGAGTTCACTACAGTCCCACTGAGCA 280
 ; QY 377 AGGGAGAAACCTCCAATGCTTATTCTTGTTGTCACAAAGATGCAATPATGG 436
 ; Db 281 AAGAAGASGTTGGAGTCCCTATGGCATCTTGTGATTCTAGAGAGATGAAACT 340
 ; QY 437 TTGAAAGGTATCCATGATAACCAACAGGACATATTACTGATCCATTTATGTC 496
 ; Db 341 TTGAAAGGTACTGGACGCTGTTATGCCCTGAGACATATCTGTTGCTGATGGATG 400
 ; QY 497 GTAGGCACCTGATACCTCAAGATTCATGACAATTAGCTAAGTCGCTTCATAA 556
 ; Db 401 AGAAGTCCCAGAACTTCAGAGGGCTCAAGAACATTCAGGAAATTTCTG 460
 ; QY 557 TTTCATGCTTCAAAATTAGGGCTGGAAATATGCCACATTCCAGACTCCAGCTG 616
 ; Db 521 ACTCACAATGCTGTCGACCTTCTGAAGTCCTAAATCAGGAAATATGTTATCCT 580
 ; QY 677 TGTGGGGCAAGATTTCCTCAAGTCAGGAAATTGATGGTGTAGAGTGAAGAAC 736
 ; Db 581 CATTGGGACGGACTTCCTATAAGGCAATCAGGATGTCCTCAGGCTCTCAAGATG 640
 ; QY 737 TCAATGGGACAAATATGTTGAGACGGGAACCCCAACAGCAATTAATGGAAAGATCA 796
 ; Db 641 TGTGGGGCAAGATTTCCTCAAGTCAGGATCTCTCAAGCAAGAACCCGCTGGA 700
 ; QY 797 CTACCATCATGACTTAGACGGGTGCTTAAATGATGAGCTACCAATAGGACAA 856
 ; Db 701 AATACATCTTGAGTAGGAGACACATACAC 742
 ;
 ; QY 857 ACATCTCCAGGAGACCCCAATACATGATTTGAGACCTTAAATCCAACTGATG 916
 ; Db 743 ACAGAAAGGAGACTCTCCCTTAAATTTACTGTTAGGAAATGCTGATGCTAC 802
 ; QY 917 TTAAAGTCAGGATTTGTTAAATATTTCAACACTCCCTGTCAGAGCTTGTG 976
 ; Db 803 TGCCTCCGAGAATTTCGCCACATGTTGAGACCTTAAATCCAACTGATG 862
 ; QY 977 CCTGCTCAAAGACACATACTCTCTGAGGACTTTG3G3ACTCTGATTGCGGTC 1036
 ; Db 863 ATGGGTAAGAGACACTTAAAGCCAGTGAACACTCTGGCCACCTTCAGGTCAC 922

Qy 1037 CAGGAACTCTGGGAGATTCCAGATCAGCCAGGATC--TGTCTGATCGCAGAGTA 1093
 Db 923 GGTCGATGCGCTGCTGCTCCACACCCAGTACGACATCTGACTTCATA 982
 Qy 1094 AGATCGCTTGTCACTGAGATRACTATGAAAGCTTITCTTCCAGT----- 1143
 Db 983 TTGCAGGCTGTGAGTCACTGAGATRACTATGAAAGCTTITCTTCCAGT----- 1042
 Qy 1144 ----TGTACTGATCTACCTTGAGGAGTGTATATTGAGCTGAGAATTAAGGT 1198
 Db 1043 CTCCCTGCTGGATCCAGGGCTATCGCTTATGGGTG3GACTTGATT 1102
 Qy 1199 GGCTTATCAAGATGACATGCTGTTAATGATTGATTAAAGTTGACCTATCT 1258
 Db 1103 GGATCTTCAACATCCTGTTGCCCCACAGTTGACCAAAAGGTAGTATG 1162
 Qy 1259 TGATTAATCTTGGCAGAAGT 1283
 Db 1163 CTCTCAGCTGCTTAGAGATACT 1187

RESULT 7
 US-09-797-207-1
 ; Sequence 1, Application US/09797207
 ; Patent No. US2002009563A1

; GENERAL INFORMATION:
 ; APPLICANT: KORCZAK, BOZENA
 ; TITLE OF INVENTION: NOVEL CORE 2 BETA-1, 6-N-ACETYLGLYCOSAMINYLTRANSFERASE
 ; TITLE OF INVENTION: GENE
 ; FILE REFERENCE: GLYO-07P1
 ; CURRENT APPLICATION NUMBER: US/09/797,207
 ; CURRENT FILING DATE: 2001-03-02
 ; EARLIER APPLICATION NUMBER: 09/495, 913
 ; EARLIER FILING DATE: 2000-02-02
 ; EARLIER FILING DATE: 1999-02-03
 ; NUMBER OF SEQ ID NOS: 20
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 1
 ; LENGTH: 1317
 ; TYPE: DNA
 ; FEATURE: Artificial Sequence
 ; OTHER INFORMATION: Description of Artificial Sequence: Recombinant
 ; OTHER INFORMATION: DNA
 ; US-09-797-207-1

Query Match 14.1%; Score 191.8; DB 9; length 1317;
 Best Local Similarity 52.5%; Pred. No. 5.6e-44; Mismatches 432; Indels 36; Gaps 3;
 Matches 517; Conservative 0; N mismatches 432; Indels 36; Gaps 3;

Qy 317 TGACCACTGTTGACATTTATCAGACTCTAGAGCTATGCTCAAGCTGTCTCA 376
 Db 317 TCACCAAGACTCTGAGCTCTCAAGCTGAAAGCTCATACGTTCCACTGAGCA 376
 Qy 377 AGGAGGAAAGCTCCAACTAGCTATCTTGGTTCACAAGATGGATATGG 436
 Db 377 AAGAGAGGTGGAGTTCCTTATGCTACTCTATGGTATCATGAGAGATGAAACT 436
 Qy 437 TGAAGCTTATCATGATATCAACAGACAATTACTGATCCATATGAT 496
 Db 437 TTGAAAGCTACTGGAGCTGATGCCCTGAGAATCTACTGTTGATGGATG 496
 Qy 497 GTAAGGCACATGAACTCTCAAGTGCAGAACTTACATTAGTCAAGTGTCTCCAA 556
 Db 497 AGAACTCCAGAACTTCATCAAGAGGCTCAAGCAATTCTGCTCCAAATG 556
 Qy 557 TTTCATTCGTCCTCAAATAGAGCTGCGGAATGCGCAACATTCAGCTCAGCT 616
 Db 557 TCTGATAGCAAGTGTGGTCTGGTGTGCTCTGCTCTGCTGGGGCAAGCTG 616
 Qy 617 ATTAAATCTTGGGACTCTGAGAACTTAACTAGTGAAGATAATGATGATCACT 676

RESULT 8
 US-10-388-307-14
 ; Sequence 14, Application US/10388307
 ; Publication No. US20030180778A1

; GENERAL INFORMATION:
 ; APPLICANT: Schwientek, Tilo
 ; APPLICANT: Clausen, Henrik
 ; TITLE OF INVENTION: UDP-N-Acetylglucosamine:
 ; TITLE OF INVENTION: 'Galactose-beta-1,6-N-Acetylglucosamine-alpha-R / GlcNAc
 ; CURRENT APPLICATION NUMBER: US/10/388,307
 ; CURRENT FILING DATE: 2003-03-13
 ; PRIOR APPLICATION NUMBER: US/09/645,192
 ; PRIOR FILING DATE: 2000-08-24
 ; PRIOR APPLICATION NUMBER: US 60/150,488
 ; PRIOR FILING DATE: 1999-08-24
 ; NUMBER OF SEQ ID NOS: 17
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 14
 ; LENGTH: 1317
 ; TYPE: DNA
 ; ORGANISM: Human
 ; US-10-388-307-14

Query Match 14.1%; Score 191.8; DB 13; length 1317;

Best Local Similarity	52.5%	Pred. No.	5.6e-44
Matches	517;	Conservative	0;
Mismatches	432;	Indels	36;
Gaps	3;		
Qy	317	TGACCAAGACTGTGAGCACTCAGGCTATCAGGTTATGCTCAAGCTGTCATA	376
Db	317	TGACCAAGACTGTGAGCACTCAGGCTATCAGGTTATGCTCAAGCTGTCATA	376
Qy	377	AGGAGGAGAAAGCTCCAAAGCTTCAAGCTATCTTGGTTCACAAGAGATGAGCA	436
Db	377	AGGAGGAGAAAGCTCCAAAGCTTCAAGCTATCTTGGTTCACAAGAGATGAGCA	436
Qy	437	TTGAAGGCTACTGGAGGTGCTATGAGCTTGTGAGCTGAGCTGAGATGAACT	496
Db	437	TTGAAGGCTACTGGAGGTGCTATGAGCTTGTGAGCTGAGCTGAGATGAACT	496
Qy	497	GTAACGCAACTGTGATGAACTCTCAAGTGTGCACTTGTGAGCTGAGATGAACT	556
Db	497	GTAACGCAACTGTGATGAACTCTCAAGTGTGCACTTGTGAGCTGAGATGAACT	556
Qy	557	TTTCATTCGTCATGAGCTTGTGAGCTGAGCTGAGATGAACTTGTGAGCTGAGA	616
Db	557	TTTCATTCGTCATGAGCTTGTGAGCTGAGCTGAGATGAACTTGTGAGCTGAGA	616
Qy	617	ATTAATCTGCTGAGCTTGTGAGCTGAGATGAACTTGTGAGCTGAGATGAACT	676
Db	617	ATTAATCTGCTGAGCTTGTGAGCTGAGATGAACTTGTGAGCTGAGATGAACT	676
Qy	677	TGTCAGGCAAGATTTCCCTGAGTCAATGCTGAGCTGAGATGAACTTGTGAGCT	736
Db	677	TGTCAGGCAAGATTTCCCTGAGTCAATGCTGAGCTGAGATGAACTTGTGAGCT	736
Qy	737	TCATGGGAGGACTTCCATAACCTGAGCTGAGATGAACTTGTGAGCTGAGATGAA	796
Db	737	TCATGGGAGGACTTCCATAACCTGAGCTGAGATGAACTTGTGAGCTGAGATGAA	796
Qy	797	TTGAGGCTATCTGCTATGAGCTTGTGAGCTGAGATGAACTTGTGAGCTGAGA	838
Db	797	TTGAGGCTATCTGCTATGAGCTTGTGAGCTGAGATGAACTTGTGAGCTGAGA	838
Qy	838	AGAAGTCCCAGAACTTGTGAGCTGAGATGAACTTGTGAGCTGAGATGAACT	898
Db	838	AGAAGTCCCAGAACTTGTGAGCTGAGATGAACTTGTGAGCTGAGATGAACT	898
Qy	917	TTTAACTGAGCTTGTGAGCTTGTGAGCTGAGATGAACTTGTGAGCTGAGA	958
Db	917	TTTAACTGAGCTTGTGAGCTTGTGAGCTGAGATGAACTTGTGAGCTGAGA	958
Qy	959	AATGGTAAAGACACTTGTGAGCTTGTGAGCTGAGATGAACTTGTGAGCTGAGA	1018
Db	959	AATGGTAAAGACACTTGTGAGCTTGTGAGCTGAGATGAACTTGTGAGCTGAGA	1018
Qy	1037	CAGGAACTCTGGGAGATTCAGATGCCAGATGTTGAGCTTGTGAGCTGAGA	1093
Db	1037	CAGGAACTCTGGGAGATTCAGATGCCAGATGTTGAGCTTGTGAGCTGAGA	1093
Qy	1093	GTTGAGCTGCTGAGCTTGTGAGCTGAGATGAACTTGTGAGCTGAGA	1036
Db	1093	GTTGAGCTGCTGAGCTTGTGAGCTGAGATGAACTTGTGAGCTGAGA	1036
Qy	1094	AGACTGGCCTGTGAGGGATTACTGAGGTTTCTATCCAGT	1143
Db	1094	AGACTGGCCTGTGAGGGATTACTGAGGTTTCTATCCAGT	1143
Qy	1079	TTGCCAGCTGTCAGTGGAGCTGAGCTGAGATGAACTTGTGAGCTGAGA	1138
Db	1079	TTGCCAGCTGTCAGTGGAGCTGAGCTGAGATGAACTTGTGAGCTGAGA	1138
Qy	1144	-----TGACTGGATCTTCACTCTGAGGGTGTGAGCTTGTGAGCTGAGA	1198
Db	1144	-----TGACTGGATCTTCACTCTGAGGGTGTGAGCTTGTGAGCTGAGA	1198
Qy	1198	CTCCCTCTCTGAGATCCACCGCGGCTATCTGGTTATGGCTGGGACTGAGT	1198
Db	1198	CTCCCTCTCTGAGATCCACCGCGGCTATCTGGTTATGGCTGGGACTGAGT	1198
Qy	1199	GGCTTATCAAGATGAGCTGAGCTGAGCTGAGATGAACTTGTGAGCTGAGA	1258
Db	1199	GGCTTATCAAGATGAGCTGAGCTGAGCTGAGATGAACTTGTGAGCTGAGA	1258
Qy	1259	TGATTAATGCTGGAGAAAGCT	1283
Db	1259	TGATTAATGCTGGAGAAAGCT	1283
Qy	977	CTCTCAGTCGCTAGAGAACT	1283
Db	977	CTCTCAGTCGCTAGAGAACT	1283
Qy	959	ATGGGCTAAAGACACTTGTGAGCTGAGATGAACTTGTGAGCTGAGA	1018
Db	959	ATGGGCTAAAGACACTTGTGAGCTGAGATGAACTTGTGAGCTGAGA	1018

Qy 1037 CAGGAACTCTGGAGATTCAGATCAGCCAGGATG--TGTCTGATCCAGAGTA 1093
 Db 1019 GGTGGATGCTGGCTGTGTCACACACCCAACTGACAGACTCTGAGATA 1078
 Qy 1094 AGACTCGCTTGTCAAGTGAATTACTATGAAAGCTTTCATCCAGT 1143
 Db 1079 TTGCAGGCTGGTCAGTGCAAGGTCAAGGAGATCGATAAGGGTCTCTATG 1138
 Qy 1144 ----TGTACTGGATCTACCTCGAGGGTGTTATGAGCTGAGATTAGGT 1198
 Db 1139 CTCCCTGCTGGATCGGAAAGGGGTATCGCTTATGGCTCTGGAGCTGATTGAT 1198
 Qy 1199 GGCTTATCAAGATGACATGGTGTGCTAAATTGATTCTAAGGGTACCTATCT 1258
 Db 1199 GGATCTCAAAACATCCTGTTGGCCACAGTTGACCCAAAGGTTAGTATG 1258
 Qy 1259 TGATTAATGCTTGCGAGAAAGT 1283
 Db 1259 CTCTCAGCTTAGAGATACT 1283

RESULT 10
 US-09-797-207-3
 ; Sequence 3, Application US/09797207
 ; Patent No. US20020098563A1
 ; GENERAL INFORMATION:
 ; APPLICANT: KORCZAK, BOZENA
 ; TITLE OF INVENTION: NOVEL CORE 2 BETA-1, 6-N-ACETYLGLYCOSAMINYLTRANSFERASE
 ; TITLE OF INVENTION: GENE
 ; FILE REFERENCE: GLYCO-7P1
 ; CURRENT APPLICATION NUMBER: US/09/797,207
 ; CURRENT FILING DATE: 2001-03-02
 ; EARLIER APPLICATION NUMBER: 09/495, 913
 ; EARLIER FILING DATE: 2000-02-02
 ; EARLIER APPLICATION NUMBER: 60/118, 674
 ; EARLIER FILING DATE: 1999-02-03
 ; NUMBER OF SEQ ID NOS: 20
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO: 3
 ; LENGTH: 2208
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE: OTHER INFORMATION: Description of Artificial Sequence: Recombinant
 ; OTHER INFORMATION: DNA
 ; US-09-797-207-3

Query Match 14.1%; Score 191.8; DB 9; Length 2108;
 Best Local Similarity 52.5%; Pred. No. 7.5e-44; Match ID 517; Conservative 0; Mismatches 43; Indels 3; Gaps 3;

Qy 317 TGACCAAGTGTGGACATTATGAGCTTCTAGAGGTATGTCAAAGCTGTCTCA 376
 Db 584 TCACTGGAGACTGTGAGCTTCAAGCTTCTTGTTGTCACAAAGTGCTCA 643
 Qy 377 AGGAGGAAAGCTCCAAAGCTTCTTGTTGTCACAAAGTGCTCA 436
 Db 644 AAGAGAGGTGGAGTCCATTCTGATCTCTGTTGACAGATGAAACT 703
 Qy 437 TTGAAAGCTTACATGCTATACAACTGAGCAATTATGCACTTATGATC 496
 Db 704 TTGAAGGCTACTGGCTGAGCTGGTGTGATGCCCTGAGACTATACTGTCTCA 763
 Qy 497 GTAAAGCCATGATCAAGTGCAGAACATTAGTAAAGTGTCTCCATCA 556
 Db 764 AGACGCCAGAACTTCAAGGCGCTCAAGCAATTCTGCTCCATCA 823
 Qy 557 TTTCATTGCTTCAATTAGGAGGTGCGATATGCCACATTCCGACTCAGCTG 616
 Db 824 TCTCTCTAGGCTGGAGTCTGGTCTGGTCTGCTCTGGTCCAGGTCAAGCTG 883
 Qy 617 ATTTAAATGCTGCGGACTTCTGAACTTCAAGTGTGAAATATGTATCACT 676

RESULT 11
 US-09-981-353-43
 ; Sequence 43, Application US/09981353
 ; Patent No. US20020160382A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Lasek, Amy W.
 ; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
 ; FILE REFERENCE: PA-0038 US
 ; CURRENT APPLICATION NUMBER: US/09/981,353
 ; CURRENT FILING DATE: 2001-10-11
 ; NUMBER OF SEQ ID NOS: 194
 ; SOFTWARE: PERL Program
 ; SEQ ID NO: 43
 ; LENGTH: 2147
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE: NAME/KEY: misc_feature
 ; OTHER INFORMATION: Incyte ID No. US20020160382A1 2921009C81
 ; US-09-981-353-43

Query Match 14.1%; Score 191.8; DB 10; Length 2147;
 Best Local Similarity 52.5%; Pred. No. 7.5e-44; Match ID 517; Conservative 0; Mismatches 43; Indels 3; Gaps 3;

; Patent No. US20020081659A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA105
; CURRENT FILING NUMBER: US/09/925, 297
; CURRENT FILING DATE: 2001-08-10
; PRIORITY NUMBER: PCT/US00/05989
; PRIORITY FILING DATE: 2000-03-08
; PRIORITY APPLICATION NUMBER: 60/124,270
; PRIORITY FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 928
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO: 337
; LENGTH: 2229
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE: misc feature
; NAME/KEY: misc feature
; LOCATION: (2208)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (2216)
; OTHER INFORMATION: n equals a,t,g, or c
; US-09-925-297-337
; Query Match 14.1%; Score 191.8; DB 9; Length 2229;
; Best Local Similarity 52%; Pred. No. 7; -e-44;
; Matches 517; Conservative 0; Mismatches 412; Indels 35; Gaps 3;
; Db 737 TCATGGGACAAATATGTTGGACGGACCCACAGTAATTTGGAAAGATCA 796
; Db 1103 TGAATGGGAAATAGCTTAAAGGAACTCAGGTTACCTCCAGACGAGT 1162
; Db 797 CTACACATGAGCTTAAAGGAACTCAGGTTACCTCCAGACGAGT 982
; Qy 617 ATTAAATGCTTGTGGACCTCTGAAAGCTCAATCCAGTGGAAATGTTACAT 676
; Db 583 ACCTCACCTGATGGAAGCTCTGTCAGTCAGTCGCGAAATACCTCCGATA 1042
; Qy 677 TGTGTGGGAAAGTTCCCTCAAGTCATTGATGTTGTCAGAGTGAAGAAC 736
; Db 1043 CAGTCGACCGACTTCCTAAAGGAACTCAGGTTACCTCCAGACGAGT 1102
; Qy 737 TCATGGGACAAATATGTTGGACGGACCCACAGTAATTTGGAAAGATCA 796
; Db 1103 TGAATGGGAAATAGCTTAAAGGAACTCAGGTTACCTCCAGACGAGT 1162
; Qy 797 CTACACATGAGCTTAAAGGAACTCAGGTTACCTCCAGACGAGT 982
; Db 1163 ATTATCAGCTTGTGGAAAGACATAC-----CTACCA 1204
; Qy 857 ACATCTCCAGGAGACCCCACTAACATTGAGATTTGTCAGGCTTATTG 916
; Db 1205 ACAGAAAGAGGATCTCCCTTATAATTAACTATGTTACGGAAATCGCATTC 1264
; Qy 917 TTAAAGTCAGATTTCATATATTCACACACTCCATGTCAAGCTT 976
; Db 1265 TGCCTTCGGAGATTCTCCACATGTTGAGACCTTAATCCACACTATG 1324
; Qy 977 CTCGCTTAAGACACATCTCTGAGGACTTGGGTACTTGTGCGGTIC 1036
; Db 1325 AATGGGTAAGACACTTATAGCCGAGACCTCTGCCACCTCTGGCAGCA 1384
; Qy 1037 CAGGAATACCTGGGGAGATTCAGATGAGCCAGGTG--TGTCTGATCTGAGAGTA 1093
; Db 1385 GGTGATGCTGCTGCTGTTCCACACCCAAAGTACAGACATCTGAGCTCTA 1444
; Qy 1094 AGACTCGCCGTGAGTCAGTGAATCTAGTGAAGCTTTCATCCAGT 1143
; Db 1445 TTGCCAGGTGGTCAAGTCCAGGTCTGAGGGACATCGATAAGGGCTCTATG 1504
; Qy 1144 ---TGTCTGATCTCTCCCTTGAAGCTGCTGTTATGAGCTGAGGATTAAGT 1198
; Db 1505 CTCCCTGCTGCTGATCACCCAGGGGTATCTGCTGTTATGEGGCTGGACTT 1564
; Qy 1199 GGCTTATCAGATGGACATTGTTGATAATTGATCTAAGGTGACCTTATC 1258
; Db 1565 GGATGCTTAAACCATCTCTGTTGGCCAACTGAGTTGACCAAGTAGATGATAATG 1624
; Qy 1259 TGATTAATCTGGCAGAAAGT 1283
; Db 1625 CTCTTCAGTGCTAGAAGATACTT 1649
; RESULT 12
; US 09-925-297-337
; Sequence 337, Application US/09925297

QY 977 CCTGGCTCTAAGACACATCTCTGATGAGCTTGGTACCTTGATTCGGGTC 1036
 Db 1385 AATGGGTAAGACACTTATGCCAGGAAACCTTCAGGGTCAC 1444
 QY 1037 CAGGATACTGGGGAGATTCAGATCAGCCAGGATGAGCTGGGACCTTCAGGGTCAC 1093
 Db 1445 GGTGGATGCTGGCTGTGTCACACCCAGTACGACATCTAGACAGACTCA 1504
 QY 1094 AGACTGCCTGCTGCTAGTGTAACTAGAAGCTTCTATCCGAT 1143
 Db 1505 TTGCCAGGCTGGCTCAGTGGAGGGTCACTGGGAGACTCTGATTAAGGTTCTCTATG 1564
 QY 1144 ----TGTACTGGATCTACCTTGAGGGTGTGTTATTATGAGTCAGGATTAAGGT 1198
 Db 1565 CTCCCTGCTCTGGAAATCCACCCAGGGCTATCTGGTTATGGGGCTGGGACTGATT 1624
 QY 1199 GGCCTATCAAGAGTGGACTTGGTGTGCTATAATTGATTGATGAGCTGACCTCT 1258
 Db 1625 GGATGCTCAAAACATCACTGTGTCGGCCACAAAGTTCACCAAGGTAGATGATATG 1684
 QY 1259 TGATTAAGCTGGCAGAAAGCT 1283
 Db 1685 CTCTTCAGCTTCTAGAAGATACT 1709

RESULT 13
 ; Sequence 1555, Application US/10106698
 ; Publication No. US200301096901

GENERAL INFORMATION:
 APPLICANT: Ruben et al.
 TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide
 FILE REFERENCE: PA0CPI
 CURRENT APPLICATION NUMBER: US/10/106,698
 CURRENT FILING DATE: 2002-03-27
 PRIOR APPLICATION NUMBER: PCT/US00/26524
 PRIOR FILING DATE: 2000-09-28
 PRIOR APPLICATION NUMBER: US 60/157,137
 PRIOR FILING DATE: 1999-09-29
 PRIOR FILING DATE: 1999-11-03
 NUMBER OF SEQ ID NOS: 8564
 SOFTWARE: PatentIn Ver. 3.0
 SEQ ID NO 1555
 LENGTH: 2236
 TYPE: DNA
 ORGANISM: Homo sapiens
 FEATURE: NAME/KEY: misc_feature
 LOCATION: (2215)..(2215)
 OTHER INFORMATION: n equals a, t, g, or c
 NAME/KEY: misc_feature
 LOCATION: (2231)..(2233)
 OTHER INFORMATION: n equals a, t, g, or c
 ; OTHER INFORMATION: n equals a, t, g, or c
 US-10-106 698-1555

Query Match 14.1%; Score 191.8; DB 15; Length 2236;
 Best Local Similarity 52.5%; Pred. No. 7.7e-44;
 Matches 517; Conservative 0; Mismatches 432; Indels 36; Gaps 3;

QY 317 TGACCGTGTGCTGACATTATCAGACTTATGCTCAAAAGCTGTCTCA 376
 Db 750 TCACCGAGACTGTGAGCTCAAGGCTAAAGGATCTACAGTTCCACTGAGCA 809
 QY 377 AGGAGAGAAAGCTCCATACAGCTATCTCTGGTCTCCAAAGGTGCAATTG 436
 Db 810 AAGAAGAGGTGAGTTCCTATGCTATGATGTTGAGATGAAACT 869
 QY 437 TTGAAGGCTATCCATATACACCAAGCAATAATTCTGCTTCAATGTC 496
 Db 870 TTGAAGGCTATGCTGAGCTGCTGATGCCTCAGAACATATACTGTC 929

RESULT 14
 ; Sequence 1, Application US/09874390
 ; Patent No. US200201081556A1

GENERAL INFORMATION:
 APPLICANT: Clausen, Henrik
 TITLE OF INVENTION: UDP-N-Acetylglucosamine: Galactose-beta-1,3-N-Acetylglucosamine-alpha-R / N-Acetylglucosamine-alpha-1,3-N-Acetylglucosamine-alpha-R
 TITLE OF INVENTION: UDP-N-Acetylglucosamine-alpha-1,3-N-Acetylglucosamine-alpha-R /
 TITLE OF INVENTION: a-R (GlcNAc to GalNAc)
 TITLE OF INVENTION: beta-1,6-N-Acetylglucosaminyltransferase, C2/4
 FILE REFERENCE: P199801704 WO, JNY
 CURRENT APPLICATION NUMBER: US/09/874,390
 CURRENT FILING DATE: 2001-06-04
 PRIOR APPLICATION NUMBER: DK PA 1998 01605
 PRIOR FILING DATE: 1998-12-04

QY 497 GAAACCCAGTGTACCTCAAGATGCTGCAACATETAGCTAAGTGCTTCCTCAATA 556
 Db 930 AGAATGCCAGAACTTCAGAGGGCTCAAGCAATTATTCCTCTCCAAATG 989
 QY 557 TTTCATTGCTGAAATTAGAGGCTGGAAATACTGCCACATTTCCTGCTCCAAATG 616
 Db 990 TCTCTTAGCCAGTAGCTGCTGGTGTGTTTGGCTCTGGTCAGGGTCAGGTC 1049
 QY 617 ATTAAATGCTGCGGACTCTGAGCTCTCATCCAGTGAATATGTTCAACT 676
 Db 1050 ACCTTACCTGCTGAGCTGCTCAGCTGCTAGTGGCTGCAAAACTCTGTTA 1109
 QY 677 TGTGCGGAGATTTCCTGAGTCAAATTGAAATGGTCTCAGGTGAAAGAC 736
 Db 1110 CATGGGAGGACTTCCCTATAAGAGAACTGAGAAATGGCTCAGGCTCAGAGCT 1169
 QY 737 TCAATGAGCAAATGTTGGAGCTGAGGGTACTCTCTAGGCTGAGCT 796
 Db 1170 TGAATGGAGGATAGCTGAGGTCAGGGTACTCTCTAGGATGTTGAGCT 856
 QY 797 CTTACCATCTGAACTTAGAGGTTGGCTTATGATGATGTTGAGCTACCAATAGGAA 856
 Db 1230 AATATGCTTGGGGTAGGGACACCTTACACATTTGTTACAGGATACCTACAC 1271
 QY 857 ACATCTCCAAGGAGGACCCCCCATACATCGATATTGTTGGCTGTTTG 916
 Db 1272 ACAGAGAGAGATCTCCCTTAAATTAACTATGTTACAGGATGCGTACATG 1331
 QY 917 TTAAAGTCAGCATTTGTAATTTAACTATGTTACAGGATGCGTACATG 976
 Db 1332 TGGCTTCCGAGATTCGTCACAGTGTGTTGAGAACCTTAATCCCAACAACTGATG 1451
 QY 1037 CAGGAAATCTGGGGAGTTCCAGTCAGCCGGATGAGCTTGGCTACCTGATGGGTC 1036
 Db 1452 GGTGGATGCTGGCTGTGTCACACCCAGTACACATCTCAACATCTCA 1511
 QY 1094 AGACTGCCTGCTGCTAGTGAATTAATTGAGGCTTCTATCCACT 1143
 Db 1512 TTGCCAGCTGCTCAGTGGCAGGGCTACAGGGAGCTGATAGGGTGTCTT 1571
 QY 1144 ----TGTACTGGATCTACCTTCAGGCTGTGTTATTATGGAGCTGAGAAATAGGT 1198
 Db 1572 CTCCCTGCTCTGGAAATCCACCGGGCTATCTGGTTATGGGCTGGGACTGATT 1631
 QY 1199 GGCCTATCAAGAGTGGACTGCTATAATTGATTGAGGAGGACCTCT 1258
 Db 1632 GGATGCTCAAAACATCACTGTGTCGGCCACACAGTGGTAGATATG 1691
 QY 1259 TGATTAAGCTGGCAGAAAGCT 1283
 Db 1692 CTCTTCAGCTTCTAGAAGATACT 1716

NUMBER OF SEQ ID NOS: 10
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 1
 LENGTH: 2319
 TYPE: DNA
 ORGANISM: Homo sapiens
 FEATURE: CDS
 LOCATION: (496)..(1109)
 OTHER INFORMATION: cDNA sequence
 US-09-874-390-1

Query Match 14.1%; Score 191.8; DB 9; Length 2319;
 Best Local Similarity 52.5%; Pred. No. 7.9e-44; Mismatches 432; Indels 36; Gaps 3;
 Matches 517; Conservative 0; Publication No. US20030180778A1

QY 317 TGACCACTGATGACATTATGAGACTCTAAGAGTTATGCTAAAGCTGTCTCA 376
 Db 812 TCACAGACAGACTGGACACTCAGGTTGAAGGAAGTCATACAGTTCCACTGAGCA 871
 QY 377 AGGAGGAGAAAGCTTCCAAATAGCTATCTTGTGTCACAAAGATGCAATATGG 436
 Db 872 AAGAAGGAGTGGAGTCCCTATGATCAGTCAGTGGTCAATGAGATGAAACT 931
 QY 437 TTGAAGAGCTACTCGGAGGTGTATGCCCTCGAGAACATATACTGTTCCATGAG 991
 Db 932 TTGAAGAGCTACTCGGAGGTGTATGCCCTCGAGAACATATACTGTTCCATGAG 931
 QY 497 GTAGGCACTGATACCTCAAGTGTGAGCATGACATTAGCTAAGTGTCTCCATA 556
 Db 992 AGAAAGTCCCAAGAACTTCAAGAGGGTCAAGGAACTTCCAGACTCCAGCTG 616
 QY 557 TTTCATGCTCCAAATTAGAGGTGTGAGAATGCCACATTCCAGACTCCAGCTG 616
 Db 1052 TCTTCATACAGCAAGCTGTTGTTGGGGTGTATGCTTCCTGTCAGGGTCAAGCTG 1111

QY 617 ATTAATTCGCTGCGGCTCTGAACTTCGAACTTCAGTGGAAATATGTTAACT 676
 Db 1112 ACCCTCACTGATCGAAGCTTGTCCAGAGCTCAGTCGGCTGAAATCTCTGATA 1171
 QY 677 TGTGTGGGAAGATTTCCCTGAACTTGTAAATTGTAAATTGTGTTGTCAGGTAAAC 736
 Db 1172 CATTGGGAGGACTTCTTATANAGACCAATGAGAGTTGGTCAGGCTCTCAAGTGT 1231
 QY 737 TCAATGGACAAATATGTTGAGACGGTAAACCCCAACAGTAAATTGAAAGATTC 796
 Db 1232 TGAATGGGAGAATAGCATGGAGTCAGGTTACCTCTTAGACACAGAACCCGCTGGA 1291
 QY 797 CTTACCATATGAACTTACACGGTGTGCTTATGATAATGAAAGCTACCAAAAGCA 856
 Db 1292 AATATCACTTGTGAGGAGACATCTAC-----CTAACCA 1333
 QY 857 ACATTCGAGGAGCACCCCCATAACATGAGATTGTGTTGGAGGTATTG 916
 Db 1334 ACAAGAAGAGGATCTCCCTTATAATTAACTATGTTACGGGATATGCTACATTG 1393
 QY 917 TTTCAGTCAGCTTGTAAATAATTTCAACACTCCATGTTGAGCTTTG 976
 Db 1394 TGCCTCCGAGATTGCGCAACATGTTGAGAACCTTAATCCGACACTGTTG 1453
 QY 977 CTGAGCTAAAGACATCTCTGAGAGACTTGGTGTGAGCTTGTGAGGTT 1036
 Db 1454 AATGGTAAAGACACTTATGCGAGATGAACTCTGGCACCTCAGGTCAC 1513
 QY 1037 CAGGAACTCTGGGGAGATTCCGAGATGCCGAGGATGTTGAGCTTGTGAGA 1093
 Db 1514 GGTGGATGCTGGCTGTCACCCACACCCAGTACACATCTGAGACACTCTA 1573
 QY 1094 AGATCTGGCTGTGAAAGGAAATCTGAGCTTGTGCTAAAGCTTGTGAGT 1143
 Db 1574 TTGCCAGGTGTTGAGTCAGGTCAGGTCTGAGGAGACATGATAAGGGTGTCTATG 1633
 QY 1144 -----TGTCTGGATCTCCCTTGAAGGGTGTGATTTATGAGAGCTGCGAGATAGGT 1198

RESULT 15
 US-10-388-307-16
 Sequence 16 Application US/10388307
 Publication No. US20030180778A1
 GENERAL INFORMATION:
 APPLICANT: Schwanteck, Tilo
 APPLICANT: Claes, Henrik
 TITLE OF INVENTION: UDP-N-Acetylglucosamine- α -lactoseamine- α -R / (GlcNAc
 FILE REFERENCE: 4503/1G031
 CURRENT APPLICATION NUMBER: US/10/388-307
 CURRENT FILING DATE: 2003-01-13
 PRIORITY APPLICATION NUMBER: US/09/645,192
 PRIORITY FILING DATE: 2000-08-24
 PRIORITY APPLICATION NUMBER: US 60/150,488
 PRIORITY FILING DATE: 1999-08-24
 NUMBER OF SEQ ID NOS: 17
 SEQ ID NO 15
 LENGTH: 1203
 TYPE: DNA
 ORGANISM: Human
 US-10-388-307-16

Query Match 13.6%; Score 185.2; DB 13; Length 1203;
 Best Local Similarity 52.1%; Pred. No. 4.1e-42; Mismatches 438; Indels 24; Gaps 3;
 Matches 502; Conservative 0; Publication No. US20030180778A1

QY 327 TTGTCACATTATGAGCTCTAAGAGTTATGCTCAAAGCTGTCTCAAGGGGAA 386
 Db 213 TTGCAAGGAATACTTGACCGAGCCACATCACAGGCCCTTATCTAAGGAGAC 272
 QY 387 AACCTCCCAATAGCTTCTTGTGTCACAAAGATGCAATTATGTTGAAAGCT 446
 Db 273 TGACTTCCCTGTCATATAGTGTCTCCATCTACTCTGACTCTTGTGAAACT 332
 QY 447 TATCCAGTATAACCAAGCACATTACTGCTCCATTATGATGCTGAAAGGCC 506
 Db 333 CTTCAGGGCAATTACATGCCCAAAATCTACTGTGTTCTGAGTGAAGAACAC 392
 QY 507 TGATTCCTCAAGTTGCTGAGAACATTAGTAAAGTGTCTCCCAATATTTCATG 566
 Db 393 AACATGATTAAGTTGGGTAGAGCAATTAGTAAAGTGTCTCCCAATATTTCATG 452
 QY 567 TTCCCAATTAGAGGTGTGAGATGCCACATTCCGACTCAGGGTGTAAATG 626
 Db 453 TTCCAGATGAACTGGTCTCTGAGGGATCTCAGCTCCAGGCTGACCTGAACTG 512
 QY 627 CTTCGGGACCTCTGAACTCTGCTCAATCAGTGGAAATATGTTACTTGTTGGCA 686
 Db 513 CATCAGAGATCTTGTGCTCGAGGTCTATGGAGTAGTGTATCACACCTGTGCGCA 572
 QY 687 AGATTTCCCTGAGCTAATTGTAAATTGGTGTGAGTCAAAACTCATGAGC 746
 Db 573 AGATCTCCCTGAAACACAGGAAATGTTGAGGTTTAAAGCTTGTGAACTGAA 632
 QY 747 ATATGTTGAGGGTGAACCCCAACAGTAATTGGAAGAATTCACTTACATCA 806
 Db 633 AAATATCACCCAGGGCTGCCCCAAGCTCTGAGCTAAATGTCGA 692

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QY 807 TGAAGTTAGACGGGTGCCTATGAAATATGAAAGCTTACCAATAAGGACACATCTCAA 866
Db 693 CCAAGAGCACCTCGGCA-----AAGAGCTTCTATGATGATAAGAACACACGGCTGAA 746
QY 867 GGAGACACCCCGCATACATTCAGAATTTGAGCTTGGAGCTTATTTTGTGTTAAGCA 926
Db 747 ACCGCCTCCCCCATATCTCAAACTTACTTGTGCTGCTGCTGCTGCTGCTGCTGCTAAG 805
QY 927 AGCATTTGTTAAATATTTCACAACTTCAGCTTGTGCTGCTGCTGCTGCTGCTGCTGCTAA 986
Db 807 AGATTTGCGCAACTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTAA 866
QY 987 AGACACATACCTCTCTGAGAGACTTTGGCTACCTTGATGATCCTGGCTTCCAGGAATAC 1045
Db 857 GGACACTTCTGAGCTGAGGACATTCTGGTGGACACTTAAAGGTTTGGAGGTTC 926
QY 1047 TCGGAGGATTTCCGATCGCCAGGGTGTGCTGATCTGGAGAGTAACTCGGCTTGT 1106
Db 927 TGCTCTATGCCAAATGCTCTGGACTG-----GAACTCTCAGAGCTAT 971
QY 1107 CAAGTGGATTAATATGGGGCTTTCATCCAGTTGACTGGATCTCACCTTGAA 1165
Db 972 AAGTGGGAGTGAATGGAGAGACAGACAGGGGC-----TCCCACGGGACTAATG 1028
QY 1167 CGCTGTGTTTATGGAGCTGCGAATAGGCTGCTTAAAGATGGCATGGTTGC 1226
Db 1029 TATTGTGACTATGAAACGGAGACTTAAGTGCTGCTGTTAATTCACCAACGCTGTTGC 1088
QY 1227 TAAATATTGATCTAAGGTGGACCTTACTGTAACTGATGAACTGGAGAAAGCTG 1286
Db 1089 TAACAAAGTTGAGCTTAATACCTACCCCTTACTGTGGAATGCCTAGAACCTGAGGACATCG 1148
QY 1287 AGAA 1290
Db 1149 CGAA 1152

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Search completed: February 1, 2004, 00:18:53
 Job time : 528 SECS

GenCore version 5.1.6
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OM protein - protein search, using sw model.

Run on: January 30, 2004, 12:49:55 ; Search time 21 Seconds

Title: US-10-084-406-2
 Perfect score: 2389

Sequence: 1 MKIKKCYFKEHTLQQKVFILF.....DWITLPSERKLFMDRNLRTTS 453

Scoring table: BLOSUM62
 Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0
 Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
 Maximum Match 100%
 Listing first 45 summaries

Database : Issued, Parents, PA:*

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 3: /cgn2_6/ptodata/1lia/6A_COMB_PEP:*
 4: /cgn2_6/ptodata/1lia/6B_COMB_PEP:*
 5: /cgn2_6/ptodata/1lia/PICTUS_COMB_PEP:*
 6: /cgn2_6/ptodata/1lia/bactfile01.PEP:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Length	DB ID	Description
1	868	36.3	438	3 US-09-233-506-2
2	863.5	36.1	428	1 US-07-955-041-4
3	863.5	36.1	428	1 US-08-237-455-4
4	863.5	36.1	428	1 US-08-472-482-4
5	863.5	36.1	428	1 US-08-481-069-4
6	863.5	36.1	428	3 US-09-233-505-3
7	711	29.8	400	1 US-08-118-906-14
8	711	29.8	400	1 US-08-480-198-14
9	711	29.8	400	1 US-08-480-131-14
10	711	29.8	400	1 US-08-474-065-14
11	711	29.8	400	3 US-09-233-506-4
12	383	16.0	126	1 US-08-118-905-4
13	383	16.0	126	1 US-08-481-135-4
14	383	16.0	126	1 US-08-480-135-4
15	383	16.0	126	2 US-08-474-065-4
16	355	14.9	126	1 US-08-486-196-2
17	355	14.9	126	1 US-08-480-135-6
18	355	14.9	126	1 US-08-474-065-6
19	355	14.9	126	2 US-08-474-065-2
20	172	7.2	64	3 US-09-233-505-10
21	126	5.3	33	1 US-08-118-906-6
22	126	5.3	33	1 US-08-486-196-6
23	126	5.3	33	1 US-08-488-135-6
24	126	5.3	33	2 US-08-474-065-6
25	119	5.0	316	1 US-08-591-236-12
26	113.5	4.8	316	1 US-09-417-485D-8

RESULT 1
US-09-233-506-2
; Sequence 2, Application US/09233506
; Patent No. 613680
; GENERAL INFORMATION:
; APPLICANT: Fukuda, Minoru
; APPLICANT: Yen, Juin-Chen
; TITLE OF INVENTION: A Beta-1,6-N-Acetylglucosaminyltransferase That Forms
; TITLE OF INVENTION: Core 2, Core 4 and 1 Branches
; FILE REFERENCE: PLJ 3415
; CURRENT APPLICATION NUMBER: US/09/233,506
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO: 2
; LENGTH: 438
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-233-506-2
Query Match Similarity 36.3%; Score 868; DB 3; Length 438;
Best Local Similarity 43.0%; Pred. No. 1,867; Gaps 9;
Matches 182; Conservative 71; Mismatches 145; Indels 24;
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Sequence 371, Appli

Db 365 WQHGEGDIDKGAPYAPCGSIHQRAICVYAGDLNWLQNHLLANKFDPKVDDNAQCLE 425
 QY 426 EKL 428
 Db 426 EYL 428

RESULT²
 US-07-955-041-4
 ; Sequence 4, Application US/07955041
 ; Patent No. 5360733
 ; GENERAL INFORMATION:
 APPLICANT: BIERHUTZEN, MARTI FA
 TITLE OF INVENTION: A NOVEL BETA1-6 N-ACETYLGLUCOSAMINYLTRANSFERASE, ITS ACCEPTOR MOLECULE, LAROSTATIN AND A METHOD FOR CLONING PROTEINS HAVING ENZYMIC ACTIVITY
 TITLE OF INVENTION: N-ACETYLGLUCOSAMINYLTRANSFERASE, ITS ACCEPTOR MOLECULE, LAROSTATIN AND A METHOD FOR CLONING PROTEINS HAVING ENZYMIC ACTIVITY
 NUMBER OF SEQUENCES: 8
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: CAMPBELL AND FLORES
 STREET: 4370 LA JOLLA VILLAGE DRIVE, SUITE 700
 CITY: SAN DIEGO
 STATE: CALIFORNIA
 ZIP: 92122
 COMPUTER READABLE FORM:
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent in Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/07/955, 041
 FILING DATE: 15-921001
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: CAMPBELL, CATHRYN
 REGISTRATION NUMBER: 31, 815
 REFERENCE/DOCKET NUMBER: P-LJ 9294
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 619-535-9001
 TELEFAX: 619-535-8949
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 428 amino acids
 TYPE: AMINO ACID
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-07-955-041-4

Query Match 36.1%; Score 863.5; DB 1; Length 428;
 Best Local Similarity 43.1%; Pred. No. 4.9e-76;
 Matches 187; Conservative 72; Mismatches 132; Indels 43; Gaps 12;
 QY 28 LIKLKLNVRUF--IOKDILV-EYLSSTSPPFVNRVYTHKDE--VRY-----EV 71
 Db 1 MRLTRLRLFSYPTKYYFNLVLVSLITSVL--IHKPEFVSVRHLEAGENPSSDI 57

QY 72 NCGSGIYEQELEIGK----SLEIRRDIIDDDPVAMTSDCDIYQTLGQAQKLV 125
 Db 116 KEEAEPPIAVSIIVHVKIEMDLRIRATMPONFYCVHDTKEDSYLAAMGIASCFN 175

QY 186 IFLASKLAEVYAHISRLADNLCSLQKSYKVNLCGDFPKLNELVSLRK 245
 Db 176 VFAASRLESVVYASNSRVAQDNCMDSYLAAMGIASCFN 235

QY 246 LNGANMLETKPPNSKLERFTYHLLRVPYEVY--KUPRNTNSKEAHPNTOIYFGAS 303
 Db 236 LMGENNLETRMPNSKERN----KQREYEVNGKU-TNTGIVKMPPLPFLPFGSA 287

RESULT³
 US-08-227-455-4
 ; Sequence 4, Application US/08227455
 ; GENERAL INFORMATION:
 Paten No. 5624832
 APPLICANT: BURKUDA, MINORU
 TITLE OF INVENTION: A NOVEL BETA1-6 N-ACETYLGLUCOSAMINYLTRANSFERASE, ITS ACCEPTOR MOLECULE, LAROSTATIN AND A METHOD FOR CLONING PROTEINS HAVING ENZYMIC ACTIVITY
 TITLE OF INVENTION: N-ACETYLGLUCOSAMINYLTRANSFERASE, ITS ACCEPTOR MOLECULE, LAROSTATIN AND A METHOD FOR CLONING PROTEINS HAVING ENZYMIC ACTIVITY
 NUMBER OF SEQUENCES: 8
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: CAMPBELL AND FLORES
 STREET: 4370 LA JOLLA VILLAGE DRIVE, SUITE 700
 CITY: SAN DIEGO
 STATE: CALIFORNIA
 ZIP: 92122
 COMPUTER READABLE FORM:
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent in Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/227, 455
 FILING DATE: 14-APR-1994
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: CAMPBELL, CATHRYN
 REGISTRATION NUMBER: 31, 815
 REFERENCE/DOCKET NUMBER: P-LJ 9957
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 619-535-9001
 TELEFAX: 619-535-8949
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 428 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-227-455-4

Query Match 36.1%; Score 863.5; DB 1; Length 428;
 Best Local Similarity 43.1%; Pred. No. 4.9e-76;
 Matches 187; Conservative 72; Mismatches 132; Indels 43; Gaps 12;
 QY 28 LIKLKLNVRUF--IOKDILV-EYLSSTSPPFVNRVYTHKDE--VRY-----EV 71
 Db 1 MRLTRLRLFSYPTKYYFNLVLVSLITSVL--IHKPEFVSVRHLEAGENPSSDI 57

QY 72 NCGSGIYEQELEIGK----SLEIRRDIIDDDPVAMTSDCDIYQTLGQAQKLV 125
 Db 116 KEEAEPPIAVSIIVHVKIEMDLRIRATMPONFYCVHDTKEDSYLAAMGIASCFN 175

QY 186 IFLASKLAEVYAHISRLADNLCSLQKSYKVNLCGDFPKLNELVSLRK 245
 Db 176 VFAASRLESVVYASNSRVAQDNCMDSYLAAMGIASCFN 235

QY 246 LNGANMLETKPPNSKLERFTYHLLRVPYEVY--KUPRNTNSKEAHPNTOIYFGAS 303
 Db 236 LMGENNLETRMPNSKERN----KQREYEVNGKU-TNTGIVKMPPLPFLPFGSA 287

Db 304 YFVLSCAFVKYIFNNSIVQPFPAWSKDTYSPDSDHFLRVPQGIPGEISRSQ-DVSD 362
 QY 288 YFVVSREYCVYGVULONKEKIGKLMENAWQDTYSPDSDYLTATORIPEVPGSILPASHKDSDM 347

Db 348 QAVARFVKQYFREGVSKGAPYPCCDGIVHRSVCFAGDNLNMLRKHLFANKFDVVD 407
 QY 418 PILKCLAEKLEQ 431
 Db 408 LFAIQCQDDEHLRK 421

QY 186 ITASKLRAVEAHISLQADNLCLSLIKSIQWQVINGQDPLKSNFELVSSBKK 245
 QY 176 VFAVSLVVVAAWSRVOADINCMKOLYAMSANWKLINLGMDPDKTLEIVRKLU 235
 Db 246 LNGAMLETVKPNSKLERFTYHLLRVPYVV-KLPIRNTISCEAPPNIQIFVGSA 303
 QY 236 LMGENTLTERMPSHKEERW----KRYEVNGKL-TNTGTVKMLPPLTPLSGSA 287
 QY 304 YFLUSQAFVKYIINNSIVQDFPAWSKOTYSPPHEFWATLIRVPGIICBIRSAQ-DVSDL 362
 Db 288 YFVVSREYVQVYQNEKIQKLMENAWQDTPDYLWATQIOPPEVGLSPASHKLDSDM 347
 QY 363 OSKIRLKVKNYYEGF----YPSCTSHLSRVCYGAERLWLLKDHWANKFSDK 417
 Db 348 QAVARFVKQYFEGDVSKGAPYPCDGIVHRSVCFAGDLDNWMLRKGHLFANKEDVVD 407
 QY 418 PILIKLAEKLEQ 431
 Db 408 LFAIQCUDHELRK 421

RESULT 4
 US-08-472-482-4
 Sequence 4, Application US/08472482
 GENERAL INFORMATION:
 APPLICANT: FUKUDA, MINORU
 APPLICANT: BIERHUIZEN, MARTI FA
 TITLE OF INVENTION: N-ACETYLGUCOSAMINYLTRANSFERASE, ITS ACCEPTOR MOLECULE, TITLE OF INVENTION: LEUKOSIALIN AND A METHOD FOR CLONING PROTEINS HAVING NUMBER OF SEQUENCES: 8
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: CAMPBELL AND FLORES
 STREET: 4370 LA JOLLA VILLAGE DRIVE, SUITE 700
 CITY: SAN DIEGO
 STATE: CALIFORNIA
 COUNTRY: USA
 ZIP: 92122
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC Compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/472,482
 FILING DATE:
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/955,041
 FILING DATE: 01-OCT-1992
 ATTORNEY/AGENT INFORMATION:
 NAME: CAMPBELL, CATHRYN
 REGISTRATION NUMBER: 31,815
 REFERENCE DOCKET NUMBER: P-LJ 9294
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 619-535-9001
 TELEFAX: 619-535-8949
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 428 amino acids
 TYPE: amino acid
 TOPOLOGY: Linear
 MOLECULE TYPE: protein
 US-08-472-482-4

Query Match 36.1% Score 863.5; DB 1; Length 428;
 Best Local Similarity 43.1%; Pred. No. 4.9e-76;
 Matches 187; Conservative 72; Mismatches 132; Indels 43; Gaps 12;
 QY 28 LKLKLNVRLF-PQKDIVL-EVSLISTSPFVNRYRTHKDE--VRY-----EV 71

QY 72 NCGIYEQERBLIGK----SLIRRDIIDEDDDVVAMTSQDCIVTQLRQYAKLVS 125
 QY 58 NTKVQLOGDNEIQKVKLEITVKEKRP--AWPDDYINMTCDSFKRKYVTE 115
 Db 126 KERKESPPIASLVLVWKAIDAMVERLIAHATNOHNYCIAHDKADTIVYAMNIAKCSN 185
 Db 116 KEEAEPPIAIVVHVKIEMLDRLRATIMPQNYCIVADTKSDSYLAWMGJASFN 175
 QY 186 ITASKLRAVEAHISLQADNLCLSLIKSIQWQVINGQDPLKSNFELVSSBKK 245
 Db 176 VFAVSLVVVAAWSRVOADINCMKOLYAMSANWKLINLGMDPDKTLEIVRKLU 235
 Db 246 LNGAMLETVKPNSKLERFTYHLLRVPYVV-KLPIRNTISCEAPPNIQIFVGSA 303
 QY 304 YFLUSQAFVKYIINNSIVQDFPAWSKOTYSPPHEFWATLIRVPGIICBIRSAQ-DVSDL 362
 Db 288 YFVVSREYVQVYQNEKIQKLMENAWQDTPDYLWATQIOPPEVGLSPASHKLDSDM 347
 QY 363 OSKIRLKVKNYYEGF----YPSCTSHLSRVCYGAERLWLLKDHWANKFSDK 417
 Db 348 QAVARFVKQYFEGDVSKGAPYPCDGIVHRSVCFAGDLDNWMLRKGHLFANKEDVVD 407
 QY 418 PILIKLAEKLEQ 431
 Db 408 LFAIQCUDHELRK 421

RESULT 5
 US-08-487-069-4
 Sequence 4, Application US/08487069
 Patent No. 5684134
 GENERAL INFORMATION:
 APPLICANT: FUKUDA, MINORU
 APPLICANT: BIERHUIZEN, MARTI FA
 TITLE OF INVENTION: N-ACETYLGUCOSAMINYLTRANSFERASE, ITS ACCEPTOR MOLECULE, TITLE OF INVENTION: LEUKOSIALIN AND A METHOD FOR CLONING PROTEINS HAVING NUMBER OF SEQUENCES: 8
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: CAMPBELL AND FLORES
 STREET: 4370 LA JOLLA VILLAGE DRIVE, SUITE 700
 CITY: SAN DIEGO
 STATE: CALIFORNIA
 COUNTRY: USA
 ZIP: 92122
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC Compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/487,069
 FILING DATE:
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/955,041
 FILING DATE: 01-OCT-1992
 ATTORNEY/AGENT INFORMATION:
 NAME: CAMPBELL, CATHRYN
 REGISTRATION NUMBER: 31,815
 REFERENCE DOCKET NUMBER: P-LJ 9294
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 619-535-9001
 TELEFAX: 619-535-8949
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 428 amino acids
 TYPE: amino acid
 TOPOLOGY: Linear
 MOLECULE TYPE: protein
 US-08-472-482-4

; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-487-069-4

Query Match 36.1%; Score 863.5; DB 1; Length 428;
 Best Local Similarity 43.1%; Pred. No. 4.9e-76; Mismatches 132; Indels 43; Gaps 12;
 Matches 187; Conservative 72; Mismatches 132; Indels 43; Gaps 12;

QY 28 LKLKLNTRRLF--PQDQIYL-EYSLSTSPFVNRVTHVDE--VRY-----EV 71
 1 MRLTLLRRLFPLSYPTKTYMVLVLSITFSSVIR--IHQKPFVSVHLLAGENSSDI 57

QY 72 NCSGIYEOPPLETGK----SLEIRRDIIDLEDDVVAMTSDCDIYQTLRGYAQKLYS 125
 58 NCTKVQGDVNEIOKVKLIELTWTWKFKRP--RWTDDYINNTSDCSSFFIKRKYIPEPLS 115

QY 126 KERKSPTIAYSLVHKDAIMVRLIHAYNQHNYCHYDRKAPDTFKVAMNLAKCSN 185
 116 KEEAEPFLPAYSIVVHKTMRDQADINCLSDIKKSIQWQKVUNICGQDFPLKNSKPELSELKK 175

QY 186 IFTASKCBEAVEYAHISRLQADINCLSDIKKSIQWQKVUNICGQDFPLKNSKPELSELKK 245
 418 PILKCLAKBLEQ 431

Db 176 VFFASRLESVVASHSKVQADINCLGMDPPIKNTLEIYRKL 235
 408 LFAIQCLDBHLRK 421

RESULT 6

US-09-233-506-3 Application US/09233506
 ; Sequence 3, Application US/09233506
 ; Patient No. 616580
 ; GENERAL INFORMATION:
 ; APPLICANT: Fukuda, Minoru
 ; APPLICANT: Yeh, Juiun-Chern
 ; TITLE OF INVENTION: A Beta-1,6-N-Acetylglucosaminyltransferase That Forms
 ; FILE REFERENCE: P-LJ 3415
 ; CURRENT APPLICATION NUMBER: US/09/233,506
 ; CURRENT FILING DATE: 1999-01-19
 ; NUMBER OF SEQ ID NOS: 14
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO: 3
 ; LENGTH: 428
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-233-506-3

Query Match 36.1%; Score 863.5; DB 3; Length 428;
 Best Local Similarity 43.1%; Pred. No. 4.9e-76; Mismatches 132; Indels 43; Gaps 12;
 Matches 187; Conservative 72; Mismatches 132; Indels 43; Gaps 12;

QY 28 LKLKLNTRRLF--PQDQIYL-EYSLSTSPFVNRVTHVDE--VRY-----EV 71
 1 MRLTLLRRLFPLSYPTKTYMVLVLSITFSSVIR--IHQKPFVSVHLLAGENSSDI 57

QY 72 NCSGIYEOPPLETGK----SLEIRRDIIDLEDDVVAMTSDCDIYQTLRGYAQKLYS 125
 58 NCTKVQGDVNEIOKVKLIELTWTWKFKRP--RWTDDYINNTSDCSSFFIKRKYIPEPLS 115

QY 126 KERKSPTIAYSLVHKDAIMVRLIHAYNQHNYCHYDRKAPDTFKVAMNLAKCSN 185
 116 KEEAEPFLPAYSIVVHKTMRDQADINCLGMDPPIKNTLEIYRKL 235
 Db 176 VFFASRLESVVASHSKVQADINCLGMDPPIKNTLEIYRKL 235

QY 186 IFTASKCBEAVEYAHISRLQADINCLSDIKKSIQWQKVUNICGQDFPLKNSKPELSELKK 245
 418 PILKCLAKBLEQ 431

Db 235 LMECNNTTERMSHKERW----KKREBVVNGKL-TNGTVKMLPPLTPIFGSA 287

QY 246 LNGANMLTETVKPENSKLERFTVHLLRVPFPEVY--KLPIRNTNSKAPPNTOIFVGSA 303
 236 LMGENNLTERMSHKERW----KKREBVVNGKL-TNGTVKMLPPLTPIFGSA 287

QY 304 YFVLQSATVKYIENNSIVQDFAWSKDTSDEHFWATLIRVPGFGEISSAQ-DVSDL 362
 288 YFVVSREYVGVLQNEKIQKLMWAQDTPSDEYLWATIORIPEVPGSLPASHKVDISDM 347

QY 363 OSKTRLVIKMYFGFP----YPCSTGSHLRSVCIGAELRMLQDGHFANKDSKD 417
 348 QAVARFVKGQYFGDVSKGAPYPPCDGVPVRSVCICFGAGDLNWMRKHLFANKEDVVD 407

Db 348 QAVARFVKGQYFGDVSKGAPYPPCDGVPVRSVCICFGAGDLNWMRKHLFANKEDVVD 407

QY 418 PILKCLAKBLEQ 431

Db 408 LFAIQCLDBHLRK 421

RESULT 7

US-08-118-906-14 Application US/08118906
 ; Sequence 14, Application US/08118906
 ; Patient No. 5484590
 ; GENERAL INFORMATION:
 ; APPLICANT: Fukuda, Minoru
 ; APPLICANT: Yeh, Juiun-Chern
 ; TITLE OF INVENTION: Expression of the Developmental I
 ; TITLE OF INVENTION: Antigen By a Cloned Human cDNA Encoding a Member of a
 ; TITLE OF INVENTION: Beta-1,6-N-Acetylglucosaminyltransferase Gene Family
 ; NUMBER OF SEQUENCES: 14
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Campbell and Flores
 ; STREET: 4370 La Jolla Village Drive, Suite 700
 ; CITY: San Diego
 ; STATE: California
 ; COUNTRY: USA
 ; ZIP: 92122
 ; COMPUTER READABLE FORM:
 ; COMPUTER: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/118,906
 ; FILING DATE: 03-SEP-1993
 ; CLASSIFICATION: 536
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Campbell, Kathryn A.
 ; REGISTRATION NUMBER: 31.815
 ; REFERENCE/DOCKET NUMBER: P-LJ 9526
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (619) 535-9001
 ; TELEFAX: (619) 535-8949
 ; INFORMATION FOR SEQ ID NO: 14:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 400 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; US-08-118-906-14

Query Match 29.8%; Score 711; DB 1; Length 400;
 Best Local Similarity 43.7%; Pred. No. 3.8e-61; Mismatches 143; Conservative 43; Mismatches 129; Indels 12; Gaps 5;

QY 108 SDCTIYQTLRGYAOKLVAKEEKSPTIAYSLVHKDAIMVRLIHAYNQHNYCHYDRK 167

Db 70 SSCKEYLQTSHYITAPLSKREADFPPLAYIMVIIHHFDFTFARLFRATYMPQNYCWFVDEK 129
 Qy 168 APDTFKVAMNLAKCFSNFIASKLVEAYAHISRLQADNLCSDLKSSQMKYVNL 227
 Db 130 ATTFKDAVEQQLSCFPNAPLASKMNPVYGCISRLQADNLCSDLKSSQMKYVNL 189
 Qy 228 GQDFPLKANFELVSEKKLNGANMLETVKPPNSKLERFTY-HHELRVPEYVKPIRTN 286
 Db 190 GQDFPLKINKEIVOYLGKFKGKNTIPGVLPPAHAIGRTKVMQEHGKELSV--IRT 246
 Qy 287 ISKEAPPNHIQIFVGSAYFVLSQAFVKVIFNNSIVQDFPANSKDTSPDEHFWATLIRP 346
 Db 247 ALKPPPPNHLITVFGSAYVALSREFANVFLHPRAVDLQNSKDTSPDEHFWATLIRP 306
 Qy 347 GIPEBISRSQAQDVSQDLQSKTRLYTKWNYEEGFPYPSCTGSHRSVUCYGAELRWLKDGH 406
 Db 307 GVPUSMPNAS---WTGNLRAKWSMD-RHGGCHGHYHGICIGNGDILKWLVNSP 360
 Qy 407 WFANKFDSKVDPLILKCLAEKLU3EQQR 433
 Db 361 LFANKFELNTYPLTVECL--ELRHRER 385

RESULT 8
 US-08-486-196-14
 ; Sequence 14, Application US/08486196
 ; Patent No. 5734420
 ; GENERAL INFORMATION:
 ; APPLICANT: Fukuda, Minoru
 ; ATTORNEY: Bierhizen, Marti F.A.
 ; TITLE OF INVENTION: Expression of the Developmental I
 ; TITLE OF INVENTION: Antigen By a Cloned Human cDNA Encoding a Member of a
 ; NUMBER OF SEQUENCES: 14
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Campbell and Flores
 ; STREET: 4370 La Jolla Village Drive, Suite 700
 ; CITY: San Diego
 ; STATE: California
 ; COUNTRY: USA
 ; ZIP: 92122
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/486,196
 ; FILING DATE:
 ; CLASSIFICATION: 424
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/118,906
 ; FILING DATE: 09-SEP-1993
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Campbell, Cathryn A.
 ; REGISTRATION NUMBER: 31,815
 ; REFERENCE/DOCKET NUMBER: P-LJ 9526
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (619) 535-8901
 ; TELEFAX: (619) 535-8949
 ; INFORMATION FOR SEQ ID NO: 14:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 400 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; US-08-486-196-14

Query Match 29.8%; Score 711; DB 1; Length 400;
 Best Local Similarity 43.7%; Pred. No. 3.8e-61;
 Matches 143; Conservative 43; Mismatches 129; Indels 12; Gaps 5;

Db 70 SSCKEYLQTSHYITAPLSKREADFPPLAYIMVIIHHFDFTFARLFRATYMPQNYCWFVDEK 129
 Qy 168 APDTFKVAMNLAKCFSNFIASKLVEAYAHISRLQADNLCSDLKSSQMKYVNL 227
 Db 130 ATTFKDAVEQQLSCFPNAPLASKMNPVYGCISRLQADNLCSDLKSSQMKYVNL 189
 Qy 228 GQDFPLKANFELVSEKKLNGANMLETVKPPNSKLERFTY-HHELRVPEYVKPIRTN 286
 Db 190 GQDFPLKINKEIVOYLGKFKGKNTIPGVLPPAHAIGRTKVMQEHGKELSV--IRT 246
 Qy 287 ISKEAPPNHIQIFVGSAYFVLSQAFVKVIFNNSIVQDFPANSKDTSPDEHFWATLIRP 346
 Db 247 ALKPPPPNHLITVFGSAYVALSREFANVFLHPRAVDLQNSKDTSPDEHFWATLIRP 306
 Qy 347 GIPEBISRSQAQDVSQDLQSKTRLYTKWNYEEGFPYPSCTGSHRSVUCYGAELRWLKDGH 406
 Db 307 GVPUSMPNAS---WTGNLRAKWSMD-RHGGCHGHYHGICIGNGDILKWLVNSP 360
 Qy 407 WFANKFDSKVDPLILKCLAEKLU3EQQR 433
 Db 361 LFANKFELNTYPLTVECL--ELRHRER 385

RESULT 9
 US-08-486-135-14
 ; Sequence 14, Application US/08488135
 ; Patent No. 576610
 ; GENERAL INFORMATION:
 ; APPLICANT: Fukuda, Minoru
 ; ATTORNEY: Bierhizen, Marti F.A.
 ; TITLE OF INVENTION: Expression of the Developmental I
 ; TITLE OF INVENTION: Antigen By a Cloned Human cDNA Encoding a Member of a
 ; NUMBER OF SEQUENCES: 14
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Campbell and Flores
 ; STREET: 4370 La Jolla Village Drive, Suite 700
 ; CITY: San Diego
 ; STATE: California
 ; COUNTRY: USA
 ; ZIP: 92122
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/488,135
 ; FILING DATE:
 ; CLASSIFICATION: 424
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/118,906
 ; FILING DATE: 09-SEP-1993
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Campbell, Cathryn A.
 ; REGISTRATION NUMBER: 31,815
 ; REFERENCE/DOCKET NUMBER: P-LJ 9526
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (619) 535-9001
 ; TELEFAX: (619) 535-8949
 ; INFORMATION FOR SEQ ID NO: 14:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 400 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; US-08-488-135-14

Query Match 29.8%; Score 711; DB 1; Length 400;
 Best Local Similarity 43.7%; Pred. No. 3.8e-61;
 Matches 143; Conservative 43; Mismatches 129; Indels 12; Gaps 5;

Qy 108 SDCDIYQRTGQYQKLSVSEKSPPIAVSLVWHDATMVERLJAHYQHNYCQHYDRK 167

QY 108 SDCDYYOTRGYAAKVLVSKEKSPPIAVSLVHDAIMVERLTHAINQHNTCYIHYDRK 167
 Db 70 SSCKEYLTSHTYIAPLSKREADPFLAYIMVHFFDTFARLFRATIMPQNYCVHDEK 129
 QY 168 APDTKVKAMNLAKCFSNFIASKLEAYAHASRLQADINCSDLAKSIQKVKVNL 227
 Db 130 ATTEFKDAVEQQLSCFPNAPFLASKMEPVYGGISRLQADINCIRDLSAFEVSKVINTC 189
 QY 228 GQDFLKSNFELVSLKLKNGANMLTVEPKNSKLERTY-HHELRVPPYEVYKLPRTN 286
 Db 190 GQDFLKTNKEIVOLKGKGNITPGVLPAAIGRTKVVHQEHLGELSTV--IRT 246
 QY 287 ISKEAPPHNTOIFVGSAYFVLSQAFVKYIFNNSTVQDFAWSKDTYSDEHWTATRVP 346
 Db 247 ALKPPPHNLTIVFGSAYVAVLSREFANFVLDPRAVDILQWSKDTFSDEHFTWTLRIP 306
 QY 347 GIPGIISSRQAQDVSDLQSKTRLVKNNYEGFPFSCSTQSHLRVCVGAERWLKDGH 406
 Db 307 GVPGSMPNAS----WTGMRATKNSMD-RHGGCHGHHVHGICIVGNGDJKLWLNPS 360
 QY 407 WFANKFDSKDPILIKCLAEKLEBQQR 433
 Db 361 LFANKFELNTYPLTVECL--ELRHRE 385

RESULT 10

US-08-474-065-14

; Patent No. 583065

GENERAL INFORMATION:
 APPLICANT: Fukuda, Minoru
 INVENTOR: Bierhuisen, Marti F.A.

TITLE OF INVENTION: Expression of the Developmental I
 TITLE OF INVENTION: Antigen BY a Cloned Human cDNA Encoding a Member of a
 TITLE OF INVENTION: Beta-1,6-N-Acetylglucosaminyltransferase Gene Family
 NUMBER OF SEQUENCES: 14

CORRESPONDENCE ADDRESS:
 ADDRESSEE: Campbell and Flores
 STREET: 4370 La Jolla Village Drive, Suite 700
 CITY: San Diego
 STATE: California

ZIP: 92122

COMPUTER READABLE FORM:

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/474,065

FILING DATE: 09-SEP-1993

CLASSIFICATION: 424

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/118,906

ATTORNEY/AGENT INFORMATION:

NAME: Campbell, Cathryn A.

REGISTRATION NUMBER: 31,815

REFERENCE/DOCKET NUMBER: P-LJ 9526

TELECOMMUNICATION INFORMATION:

TELEPHONE: (619) 535-8949

TELEFAX: (619) 535-8949

INFORMATION FOR SEQ ID NO: 14:

SEQUENCE CHARACTERISTICS:
 LENGTH: 400 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-474-065-14

RESULT 11

US-08-233-506-4

; Sequence 4, Application US/08233506

; Patent No. 6136560

GENERAL INFORMATION:

APPLICANT: Fukuda, Minoru

TITLE OF INVENTION: A Beta-1,6-N-Acetylglucosaminyltransferase That Forms
 TITLE OF INVENTION: Core 2, Core 4 and I Branches

FILE REFERENCE: P-LJ 3415

CURRENT APPLICATION NUMBER: US/09/0233-506

CURRENT FILING DATE: 1999-01-19

NUMBER OF SEQ ID NOS: 14

SOFTWARE: Patentin Ver. 2.0

SEQ ID NO: 4

LENGTH: 400

TYPE: PRT

; ORGANISM: Homo sapiens

US-08-233-506-4

Query Match 29.8%; Score 711; DB 3; Length 400;
 Best Local Similarity 43.7%; Pred. No. 3,8e-61; Mismatches 129; Indels 12; Gaps 5;

Matches 143; Conservative 43; MisMatches 129; Indels 12; Gaps 5;

QY 108 SDCDYYOTRGYAAKVLVSKEKSPPIAVSLVHDAIMVERLTHAINQHNTCYIHYDRK 167
 Db 70 SSCKEYLTSHTYIAPLSKREADPFLAYIMVHFFDTFARLFRATIMPQNYCVHDEK 129
 QY 168 APDTKVKAMNLAKCFSNFIASKLEAYAHASRLQADINCSDLAKSIQKVKVNL 227
 Db 130 ATTEFKDAVEQQLSCFPNAPFLASKMEPVYGGISRLQADINCIRDLSAFEVSKVINTC 189
 QY 228 GQDFLKSNFELVSLKLKNGANMLTVEPKNSKLERTY-HHELRVPPYEVYKLPRTN 286
 Db 190 GQDFLKTNKEIVOLKGKGNITPGVLPAAIGRTKVVHQEHLGELSTV--IRT 246
 QY 287 ISKEAPPHNTOIFVGSAYFVLSQAFVKYIFNNSTVQDFAWSKDTYSDEHWTATRVP 346
 Db 247 ALKPPPHNLTIVFGSAYVAVLSREFANFVLDPRAVDILQWSKDTFSDEHFTWTLRIP 306
 QY 347 GIPGIISSRQAQDVSDLQSKTRLVKNNYEGFPFSCSTQSHLRVCVGAERWLKDGH 406
 Db 307 GVPGSMPNAS----WTGMRATKNSMD-RHGGCHGHHVHGICIVGNGDJKLWLNPS 360
 QY 407 WFANKFDSKDPILIKCLAEKLEBQQR 433
 Db 361 LFANKFELNTYPLTVECL--ELRHRE 385

RESULT 12

US-08-474-065-14

; Patent No. 583065

GENERAL INFORMATION:

APPLICANT: Fukuda, Minoru

INVENTOR: Bierhuisen, Marti F.A.

TITLE OF INVENTION: Expression of the Developmental I

TITLE OF INVENTION: Antigen BY a Cloned Human cDNA Encoding a Member of a

TITLE OF INVENTION: Beta-1,6-N-Acetylglucosaminyltransferase Gene Family

NUMBER OF SEQUENCES: 14

CORRESPONDENCE ADDRESS:

ADDRESSEE: Campbell and Flores

STREET: 4370 La Jolla Village Drive, Suite 700

CITY: San Diego

STATE: California

ZIP: 92122

COMPUTER READABLE FORM:

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/474,065

FILING DATE: 09-SEP-1993

CLASSIFICATION: 424

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/118,906

ATTORNEY/AGENT INFORMATION:

NAME: Campbell, Cathryn A.

REGISTRATION NUMBER: 31,815

REFERENCE/DOCKET NUMBER: P-LJ 9526

TELECOMMUNICATION INFORMATION:

TELEPHONE: (619) 535-8949

TELEFAX: (619) 535-8949

INFORMATION FOR SEQ ID NO: 14:

SEQUENCE CHARACTERISTICS:
 LENGTH: 400 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-474-065-14

; Patent No. 583065

GENERAL INFORMATION:

APPLICANT: Fukuda, Minoru

INVENTOR: Bierhuisen, Marti F.A.

TITLE OF INVENTION: Expression of the Developmental I

TITLE OF INVENTION: Antigen BY a Cloned Human cDNA Encoding a Member of a

TITLE OF INVENTION: Beta-1,6-N-Acetylglucosaminyltransferase Gene Family

NUMBER OF SEQUENCES: 14

CORRESPONDENCE ADDRESS:

ADDRESSEE: Campbell and Flores

STREET: 4370 La Jolla Village Drive, Suite 700

CITY: San Diego

STATE: California

ZIP: 92122

COMPUTER READABLE FORM:

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/474,065

FILING DATE: 09-SEP-1993

CLASSIFICATION: 424

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/118,906

ATTORNEY/AGENT INFORMATION:

NAME: Campbell, Cathryn A.

REGISTRATION NUMBER: 31,815

REFERENCE/DOCKET NUMBER: P-LJ 9526

TELECOMMUNICATION INFORMATION:

TELEPHONE: (619) 535-8949

TELEFAX: (619) 535-8949

INFORMATION FOR SEQ ID NO: 14:

SEQUENCE CHARACTERISTICS:
 LENGTH: 400 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-474-065-14

; Patent No. 583065

GENERAL INFORMATION:

APPLICANT: Fukuda, Minoru

INVENTOR: Bierhuisen, Marti F.A.

TITLE OF INVENTION: Expression of the Developmental I

TITLE OF INVENTION: Antigen BY a Cloned Human cDNA Encoding a Member of a

TITLE OF INVENTION: Beta-1,6-N-Acetylglucosaminyltransferase Gene Family

NUMBER OF SEQUENCES: 14

CORRESPONDENCE ADDRESS:

ADDRESSEE: Campbell and Flores

STREET: 4370 La Jolla Village Drive, Suite 700

CITY: San Diego

STATE: California

ZIP: 92122

COMPUTER READABLE FORM:

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/474,065

FILING DATE: 09-SEP-1993

CLASSIFICATION: 424

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/118,906

ATTORNEY/AGENT INFORMATION:

NAME: Campbell, Cathryn A.

REGISTRATION NUMBER: 31,815

REFERENCE/DOCKET NUMBER: P-LJ 9526

TELECOMMUNICATION INFORMATION:

TELEPHONE: (619) 535-8949

TELEFAX: (619) 535-8949

INFORMATION FOR SEQ ID NO: 14:

SEQUENCE CHARACTERISTICS:
 LENGTH: 400 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-474-065-14

; Patent No. 583065

GENERAL INFORMATION:

APPLICANT: Fukuda, Minoru

INVENTOR: Bierhuisen, Marti F.A.

TITLE OF INVENTION: Expression of the Developmental I

TITLE OF INVENTION: Antigen BY a Cloned Human cDNA Encoding a Member of a

TITLE OF INVENTION: Beta-1,6-N-Acetylglucosaminyltransferase Gene Family

NUMBER OF SEQUENCES: 14

CORRESPONDENCE ADDRESS:

ADDRESSEE: Campbell and Flores

STREET: 4370 La Jolla Village Drive, Suite 700

CITY: San Diego

STATE: California

ZIP: 92122

COMPUTER READABLE FORM:

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/474,065

FILING DATE: 09-SEP-1993

CLASSIFICATION: 424

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/118,906

ATTORNEY/AGENT INFORMATION:

NAME: Campbell, Cathryn A.

REGISTRATION NUMBER: 31,815

REFERENCE/DOCKET NUMBER: P-LJ 9526

TELECOMMUNICATION INFORMATION:

TELEPHONE: (619) 535-8949

TELEFAX: (619) 535-8949

INFORMATION FOR SEQ ID NO: 14:

SEQUENCE CHARACTERISTICS:
 LENGTH: 400 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-474-065-14

; Patent No. 583065

GENERAL INFORMATION:

APPLICANT: Fukuda, Minoru

INVENTOR: Bierhuisen, Marti F.A.

TITLE OF INVENTION: Expression of the Developmental I

TITLE OF INVENTION: Antigen BY a Cloned Human cDNA Encoding a Member of a

TITLE OF INVENTION: Beta-1,6-N-Acetylglucosaminyltransferase Gene Family

NUMBER OF SEQUENCES: 14

CORRESPONDENCE ADDRESS:

ADDRESSEE: Campbell and Flores

STREET: 4370 La Jolla Village Drive, Suite 700

CITY: San Diego

STATE: California

ZIP: 92122

COMPUTER READABLE FORM:

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/474,065

FILING DATE: 09-SEP-1993

CLASSIFICATION: 424

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/118,906

ATTORNEY/AGENT INFORMATION:

NAME: Campbell, Cathryn A.

REGISTRATION NUMBER: 31,815

REFERENCE/DOCKET NUMBER: P-LJ 9526

TELECOMMUNICATION INFORMATION:

TELEPHONE: (619) 535-8949

TELEFAX: (619) 535-8949

INFORMATION FOR SEQ ID NO: 14:

SEQUENCE CHARACTERISTICS:
 LENGTH: 400 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-474-065-14

; Patent No. 583065

GENERAL INFORMATION:

APPLICANT: Fukuda, Minoru

INVENTOR: Bierhuisen, Marti F.A.

TITLE OF INVENTION: Expression of the Developmental I

TITLE OF INVENTION: Antigen BY a Cloned Human cDNA Encoding a Member of a

TITLE OF INVENTION: Beta-1,6-N-Acetylglucosaminyltransferase Gene Family

NUMBER OF SEQUENCES: 14

CORRESPONDENCE ADDRESS:

ADDRESSEE: Campbell and Flores

STREET: 4370 La Jolla Village Drive, Suite 700

CITY: San Diego

STATE: California

ZIP: 92122

COMPUTER READABLE FORM:

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/474,065

FILING DATE: 09-SEP-1993

CLASSIFICATION: 424

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/118,906

ATTORNEY/AGENT INFORMATION:

NAME: Campbell, Cathryn A.

REGISTRATION NUMBER: 31,815

REFERENCE/DOCKET NUMBER: P-LJ 9526

TELECOMMUNICATION INFORMATION:

TELEPHONE: (619) 535-8949

TELEFAX: (619) 535-8949

INFORMATION FOR SEQ ID NO: 14:

SEQUENCE CHARACTERISTICS:
 LENGTH: 400 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-474-065-14

; Patent No. 583065

GENERAL INFORMATION:

APPLICANT: Fukuda, Minoru

INVENTOR: Bierhuisen, Marti F.A.

TITLE OF INVENTION: Expression of the Developmental I

TITLE OF INVENTION: Antigen BY a Cloned Human cDNA Encoding a Member of a</

RESULT 12
 US-08-118-906-4
 ; Sequence 4, Application US/08118906
 ; Patent No. 5484590
 GENERAL INFORMATION:
 APPLICANT: Fukuda, Minoru
 ADDRESS: Biernhuizen, Marti F.A.
 TITLE OF INVENTION: Expression of the Developmental I
 TITLE OF INVENTION: Antigen By a Cloned Human cDNA Encoding a Member of a
 TITLE OF INVENTION: Beta-1,6-N-Acetylglucosaminyltransferase Gene Family
 NUMBER OF SEQUENCES: 14
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Campbell and Flores
 STREET: 4370 La Jolla Village Drive, Suite 700
 CITY: San Diego
 STATE: California
 COUNTRY: USA
 ZIP: 92122
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 APPLICATION NUMBER: US/08/486,196
 FILING DATE: 09-SEP-1993
 CLASSIFICATION: 424
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/118,906
 FILING DATE: 09-SEP-1993
 ATTORNEY/AGENT INFORMATION:
 NAME: Campbell, Cathryn A.
 REGISTRATION NUMBER: 31,815
 REFERENCE/DOCKET NUMBER: P-LJ 9526
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (619) 535-9001
 TELEFAX: (619) 535-8949
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 126 amino acids
 TYPE: amino acid
 TOPology: linear
 MOLECULE TYPE: protein
 US-08-118-906-4
 Query Match 16.0%; Score 383; DB 1; Length 126;
 Best Local Similarity 54.8%; Pred. No. 8.2e-30;
 Matches 69; Conservative 23; Mismatches 34; Indels 0; Gaps 0;
 QY :|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:
 Db 1 YTEPLSKRKEAEPPIAVSIVVHKTMDLRILRATIMQNYCQVHVTKSDESYLAIVMG 60
 QY :|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:
 Db 1 YTEPLSKRKEAEPPIAVSIVVHKTMDLRILRATIMQNYCQVHVTKSDESYLAIVMG 60
 QY :|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:
 Db 179 LACKFSNPIFLASCKLEAYAHHSRLQDINCLSDLUKSSIQKVKVNLUGQDFPLKSNFE 238
 QY :|||:|||:|||:|||:|||:|||:|||:|||:|||:
 Db 61 IASCFSNYFVASRLESVYASWRSVQADLNCKMDLYAMSANWKLINLUGMDPPIKMLE 120
 QY :|||:|||:|||:
 Db 239 LVSBLK 244
 QY :|||:
 Db 121 IVRKLK 126
 RESULT 13
 US-08-486-196-4
 ; Sequence 4, Application US/08486196
 ; Patent No. 5731420
 ; GENERAL INFORMATION:
 APPLICANT: Fukuda, Minoru
 APPLICANT: Biernhuizen, Marti F.A.
 TITLE OF INVENTION: Expression of the Developmental I
 TITLE OF INVENTION: Antigen By a Cloned Human cDNA Encoding a Member of a
 TITLE OF INVENTION: Beta-1,6-N-Acetylglucosaminyltransferase Gene Family
 NUMBER OF SEQUENCES: 14
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Campbell and Flores
 STREET: 4370 La Jolla Village Drive, Suite 700
 CITY: San Diego
 STATE: California
 COUNTRY: USA
 ZIP: 92122
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 APPLICATION NUMBER: US/08/486,196
 FILING DATE: 09-SEP-1993
 CLASSIFICATION: 424
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/118,906
 FILING DATE: 09-SEP-1993
 ATTORNEY/AGENT INFORMATION:
 NAME: Campbell, Cathryn A.
 REGISTRATION NUMBER: 31,815
 REFERENCE/DOCKET NUMBER: P-LJ 9526
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (619) 535-9001
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 126 amino acids
 TYPE: amino acid
 TOPology: linear
 MOLECULE TYPE: protein
 US-08-486-196-4
 Query Match 16.0%; Score 383; DB 1; Length 126;
 Best Local Similarity 54.8%; Pred. No. 8.2e-30;
 Matches 69; Conservative 23; Mismatches 34; Indels 0; Gaps 0;
 QY :|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:
 Db 1 YTEPLSKRKEAEPPIAVSIVVHKTMDLRILRATIMQNYCQVHVTKSDESYLAIVMG 60
 QY :|||:|||:|||:|||:|||:|||:|||:|||:|||:
 Db 1 YTEPLSKRKEAEPPIAVSIVVHKTMDLRILRATIMQNYCQVHVTKSDESYLAIVMG 60
 QY :|||:|||:|||:|||:|||:|||:|||:|||:
 Db 179 LACKFSNPIFLASCKLEAYAHHSRLQDINCLSDLUKSSIQKVKVNLUGQDFPLKSNFE 238
 QY :|||:|||:|||:|||:|||:|||:|||:|||:
 Db 61 IASCFSNYFVASRLESVYASWRSVQADLNCKMDLYAMSANWKLINLUGMDPPIKMLE 120
 QY :|||:
 Db 239 LVSBLK 244
 QY :|||:
 Db 121 IVRKLK 126
 RESULT 14
 US-08-486-135-4
 ; Sequence 4, Application US/08488135
 ; Patent No. 576910
 ; GENERAL INFORMATION:
 APPLICANT: Fukuda, Minoru
 APPLICANT: Biernhuizen, Marti F.A.
 TITLE OF INVENTION: Expression of the Developmental I
 TITLE OF INVENTION: Antigen By a Cloned Human cDNA Encoding a Member of a
 TITLE OF INVENTION: Beta-1,6-N-Acetylglucosaminyltransferase Gene Family
 NUMBER OF SEQUENCES: 14
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Campbell and Flores
 STREET: 4370 La Jolla Village Drive, Suite 700
 CITY: San Diego
 STATE: California
 COUNTRY: USA
 ZIP: 92122
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25

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GanCore version 5.1.6

Om protein - protein search, using SW model

Run on: January 30, 2004, 12:55:31 ; Search time 40 Seconds

Sequence: 1 MKIFKCYFKHTLQQKVFLF.....DWITLSEKLFMDRNNTTS 453 (without alignments)

Scoring table: BLOSUM62

Gapop 10.0, Gapext 0.5

Title: US-10-084-406-2

Perfect score: 2389

Sequence: 1 MKIFKCYFKHTLQQKVFLF.....DWITLSEKLFMDRNNTTS 453

Scanned: 789580 seqs, 207824079 residues

Total number of hits satisfying chosen parameters: 789580

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%, Maximum Match 100%

Listing first 45 summaries

Database : Published Applications RA:*

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2: /cgn2_6/ptodata/2/pupaa/PCT_NEW_PUBCOMB.pep:*

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12: /cgn2_6/ptodata/2/pupaa/US09_NEW_PUBCOMB.pep:*

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15: /cgn2_6/ptodata/2/pupaa/US10C_PUBCOMB.pep:*

16: /cgn2_6/ptodata/2/pupaa/US10_NEW_PUBCOMB.pep:*

17: /cgn2_6/ptodata/2/pupaa/US60_NEW_PUBCOMB.pep:*

18: /cgn2_6/ptodata/2/pupaa/US6C_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

-SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2389	100.0	453	12	US-10-388-307-2
2	2389	100.0	453	15	US-10-084-406-2
3	2389	100.0	1104	9	US-09-733-999-11
4	1985.5	83.1	455	9	US-09-733-999-8
5	868	36.3	438	9	US-09-874-390-2
6	868	36.3	438	9	US-09-971-207-2
7	868	36.3	438	10	US-09-971-333-44
8	868	36.3	438	12	US-10-388-307-15
9	868	36.3	438	15	US-10-384-406-15
10	868	36.3	465	15	US-10-106-638-5832
11	868	36.3	663	9	US-09-737-207-4
12	866	36.2	465	9	US-09-935-297-796
13	863.5	36.1	428	12	US-10-388-307-13
14	863.5	36.1	428	15	US-10-084-406-13

RESULT 1

Sequence 2, Application US/10388307

; GENERAL INFORMATION:

; APPLICANT: Schwientek, Tilo

; APPLICANT: Clausen, Henrik

; TITLE OF INVENTION: UDP-N-Acetylglucosamine:Galactose-beta-1,3-N-Acetylgalactoseamine-alpha-R / (GlcNAc beta-1,6-N-Acetylglucosaminyltransferase, C2GnT3

; FILE REFERENCE: 4503/1G031

; CURRENT APPLICATION NUMBER: US/10/388,307

; CURRENT FILING DATE: 2003-03-13

; PRIOR APPLICATION NUMBER: US/09/645,192

; PRIOR FILING DATE: 2000-08-24

; PRIOR APPLICATION NUMBER: US 60/150,488

; NUMBER OF SEQ ID NOS: 17

; SOFTWARE: FastSBQ for Windows Version 3.9

; SEQ ID NO 2

; LENGTH: 453

; TYPE: PRT

; ORGANISM: Human

; US-10-388-307-2

Query Match 100.0%; Score 2389; DB 12; Length 453; Best Local Similarity 100.0%; Pred. No. 3_9e-219; Mismatches 0; Indels 0; Gaps 0; Watches 453; Conservative

Qy 1 MKIFKCYFKHTLQQKVFLFILWLSLKLWVRRFPQKQYLVWSLSNSPFWRY 60

Qy 1 MKIFKCYFKHTLQQKVFLFILWLSLKLWVRRFPQKQYLVWSLSNSPFWRY 60

Qy 61 THVKDVBVEVNGSGVYQSEPLEGKSLERIRDIDLEDDVVAMPSDCDQYQTLGVA 120

Qy 61 THVKDVBVEVNGSGVYQSEPLEGKSLERIRDIDLEDDVVAMPSDCDQYQTLGVA 120

Qy 121 QKVKSEKESPLAISLWVHDADMELVLIATYNQNIYCHDRKADTPVAMNLA 180

RESULT 2
US-10-084-406-2
; Sequence 2, Application US/10084406
; Publication No. US20030054525A1
; GENERAL INFORMATION:
; APPLICANT: Schwantek, Tilo
; TITLE OF INVENTION: UDP-N-Acetylglucosamine:
; TITLE OF INVENTION: Galactose-beta-1,3-N-Acetylglactoseamine-alpha-R / (GlcNAc
; FILE REFERENCE: to Gainac) beta1,6-N-Acetylglucosamineyltransferase, C20G13
; CURRENT APPLICATION NUMBER: US10/084,406
; CURRENT FILING DATE: 2002-02-25
; PRIOR APPLICATION NUMBER: 09/645,192
; PRIORITY FILING DATE: 2000-08-24
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO: 2
; LENGTH: 453
; TYPE: PRT
; ORGANISM: Human
; US-10-084-406-2

Query Match 100.0%; Score 2389; DB 15; Length 453;
Best Local Similarity 100.0%; Prod. No. 1.5e-218; Mismatches 0; Indels 0; Gaps 0;
Matches 453; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MKI PKCYKETLQQKVFILETLWILSLXKLNTRLFPQDLYLVEVLSTSPFVNRY 60
Db 273 MKI PKCYKETLQQKVFILETLWILSLXKLNTRLFPQDLYLVEVLSTSPFVNRY 332
Qy 61 THVKOEVRYEVNCGSIYEGCPLIGKSLIRRDIIDLEDDVWAMTSDCDIQTLYGA 120
Db 333 THVKOEVRYEVNCGSIYEGCPLIGKSLIRRDIIDLEDDVWAMTSDCDIQTLYGA 392
Qy 121 OKLVSKREKSPPIAVSLVHKDAIVVERLHATINQHNYCICHDRKAPDTKVMNLLA 180
Db 393 OKLVSKREKSPPIAVSLVHKDAIVVERLHATINQHNYCICHDRKAPDTKVMNLLA 452
Qy 181 KCFSNIFIAKLEAVEYAHISRLOADINGCLSDILKSS1QWVYVNLCGQDFPLKSNFLV 240
Db 453 KCFSNIFIAKLEAVEYAHISRLOADINGCLSDILKSS1QWVYVNLCGQDFPLKSNFLV 512
Qy 241 SELKUNGANGMLETWKPNSKLERPTYHBLRVPYEVYKLPRTNISKEAPPHNIQIFV 300
Db 513 SELKUNGANGMLETWKPNSKLERPTYHBLRVPYEVYKLPRTNISKEAPPHNIQIFV 572
Qy 301 GSAYFVLSQAFVKYIFNNSIVQDFFAWSKOTYSPDEHFWATLIRVPGPGEIRSQAQDS 360
Db 632 GSAYFVLSQAFVKYIFNNSIVQDFFAWSKOTYSPDEHFWATLIRVPGPGEIRSQAQDS 632
Qy 421 IKCLAEKLEQORDWITLSEKFLMDRNLTTS 453
Db 693 IKCLAEKLEQORDWITLSEKFLMDRNLTTS 725

RESULT 3
US-09-793-998-11
; Sequence 11, Application US/09793998
; Patent No. US20020045202A1
; GENERAL INFORMATION:
; APPLICANT: KORCZAK, BOZENA
; APPLICANT: LEM, APRIL
; TITLE OF INVENTION: NOVEL CORE 2 BETA-1,6-N-ACETYLGLUCOSAMINYL TRANSFERASE
; FILE REFERENCE: GLYCO-15
; CURRENT APPLICATION NUMBER: US/09/793, 998
; PRIOR APPLICATION NUMBER: 60/185, 702
; PRIORITY FILING DATE: 2000-02-29
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO: 11
; LENGTH: 1104
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-793-998-11

Query Match 100.0%; Score 2389; DB 9; Length 1104;
Best Local Similarity 100.0%; Prod. No. 1.5e-218; Mismatches 0; Indels 0; Gaps 0;
Matches 453; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MKI PKCYKETLQQKVFILETLWILSLXKLNTRLFPQDLYLVEVLSTSPFVNRY 60
Db 273 MKI PKCYKETLQQKVFILETLWILSLXKLNTRLFPQDLYLVEVLSTSPFVNRY 332
Qy 61 THVKOEVRYEVNCGSIYEGCPLIGKSLIRRDIIDLEDDVWAMTSDCDIQTLYGA 120
Db 333 THVKOEVRYEVNCGSIYEGCPLIGKSLIRRDIIDLEDDVWAMTSDCDIQTLYGA 392
Qy 121 OKLVSKREKSPPIAVSLVHKDAIVVERLHATINQHNYCICHDRKAPDTKVMNLLA 180
Db 393 OKLVSKREKSPPIAVSLVHKDAIVVERLHATINQHNYCICHDRKAPDTKVMNLLA 452
Qy 181 KCFSNIFIAKLEAVEYAHISRLOADINGCLSDILKSS1QWVYVNLCGQDFPLKSNFLV 240
Db 453 KCFSNIFIAKLEAVEYAHISRLOADINGCLSDILKSS1QWVYVNLCGQDFPLKSNFLV 512
Qy 241 SELKUNGANGMLETWKPNSKLERPTYHBLRVPYEVYKLPRTNISKEAPPHNIQIFV 300
Db 513 SELKUNGANGMLETWKPNSKLERPTYHBLRVPYEVYKLPRTNISKEAPPHNIQIFV 572
Qy 301 GSAYFVLSQAFVKYIFNNSIVQDFFAWSKOTYSPDEHFWATLIRVPGPGEIRSQAQDS 360
Db 632 GSAYFVLSQAFVKYIFNNSIVQDFFAWSKOTYSPDEHFWATLIRVPGPGEIRSQAQDS 632
Qy 421 IKCLAEKLEQORDWITLSEKFLMDRNLTTS 453
Db 693 IKCLAEKLEQORDWITLSEKFLMDRNLTTS 725

RESULT 4
US-09-793-998-8
; Sequence 8, Application US/09793998

301 GSAYFVLSQAFVKYIFNNSIVQDFFAWSKOTYSPDEHFWATLIRVPGPGEIRSQAQDS 360
241 SELKUNGANGMLETWKPNSKLERPTYHBLRVPYEVYKLPRTNISKEAPPHNIQIFV 300
241 SELKUNGANGMLETWKPNSKLERPTYHBLRVPYEVYKLPRTNISKEAPPHNIQIFV 300
301 GSAYFVLSQAFVKYIFNNSIVQDFFAWSKOTYSPDEHFWATLIRVPGPGEIRSQAQDS 360
181 KCFSNIFIAKLEAVEYAHISRLOADINGCLSDILKSS1QWVYVNLCGQDFPLKSNFLV 240
181 KCFSNIFIAKLEAVEYAHISRLOADINGCLSDILKSS1QWVYVNLCGQDFPLKSNFLV 240
181 KCFSNIFIAKLEAVEYAHISRLOADINGCLSDILKSS1QWVYVNLCGQDFPLKSNFLV 240

QY 23 LWLISLILKLNV----RRIFPQDILYVEYLSTSPFVN-RYTHVKDEVREYEVNGSG 75
Db 13 LWLGCYMLATVALKLSFRLKCDSDHGLRESRESQOCRNLINFLKPLAKRSINC 72
Db 76 IY--EQEPL--BIGKSLBIRRDIIDLEDDVVAMTSQDIOYQRLGQKJLSKEKSF 131
QY 73 VTRGQEAQVQALNLLEVKKR--EPFTDTHLSTRDCHEHKARKEFQFPLSKEREF 131
Db 132 PIAYSLVVKDADMVERLHAIYNGHNTYCHDRKAPDTFKVAMNLAKCSNITF 191
QY 132 PIAYSMVHEKLENFERLIRAVAYAQNICYCVHDEKSPETFEKAVKAIISCPNVIASK 191
QY 192 LEAVEYAHSLQADNLSDLKKSSQMLKQVNLKQFSPNFIASK 191
Db 192 LVRYVYASWSRVOADLNCMEDLQSSVWKFYFLNTGDFPIKSNAMVQALKMLGRNS 251
Db 252 LETVKPPNSKLERFTYHLLRVPYETKPLRNTISKEAPHNQIQFVGASVFLSQA 311
QY 252 MESEVPKKEKETRWKHFEVVR--DTIHL--TNKKDOPPNTLMTGNAVYASRDF 305
Db 312 VKYFNNISIVQDFFAWSKDTSQDFFWATLIRVPGIPEGI-SRSAQVSDLSKQTRLVK 370
Db 306 VQHVKKNPKSQQLIEWVKDTSQDFFWATLWATLQARWMPGSVPNPKVDSIARLVK 365
QY 371 WNYEGFF----YPSCTGSHRSVCIYGAASLRWLKQGHMFANKDSKVPILKLA 425
Db 366 WQHGGDIDKGAPYAPCSGIHORAICVYAGDNLNWLQHLLANKPDKVDDNALQCLE 425
QY 426 EKL 428
Db 426 EYL 428
Db 426 EYL 428

RESULT 7
US-09-981-353-44
; Sequence 44, Application US/09981353
; Patent No. US20030160382A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy W.
; APPLICANT: Jones, David A.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; CURRENT APPLICATION NUMBER: US/09/981,353
; CURRENT FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PERL Program
; SEQ ID NO 44
; LENGTH: 438
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. US20020160382A1 2921009CD1
; US-09-981-353-44

Query Match 36.3%; Score 868; DB 10; Length 438;
Best Local Similarity 43.0%; Pred. No. 5.2e-74;
Matches 182; Conservative 71; Mismatches 146; Indels 24; Gaps 9;
SEQ ID NO 44

Query Match 36.3%; Score 868; DB 12; Length 438;
Best Local Similarity 43.0%; Pred. No. 5.2e-74;
Matches 182; Conservative 71; Mismatches 146; Indels 24; Gaps 9;
QY 23 LWLISLILKLNV----RRIFPQDILYVEYLSTSPFVN-RYTHVKDEVREYEVNGSG 75
Db 13 LWLGCYMLATVALKLSFRLKCDSDHGLRESRESQOCRNLINFLKPLAKRSINC 72
QY 76 IY--EQEPL--BIGKSLBIRRDIIDLEDDVVAMTSQDIOYQRLGQKJLSKEKSF 131
QY 73 VTRGQEAQVQALNLLEVKKR--EPFTDTHLSTRDCHEHKARKEFQFPLSKEREF 131
Db 192 LEAVEYAHSLQADNLSDLKKSSQMLKQFSPNFIASK 191
Db 192 LVRYVYASWSRVOADLNCMEDLQSSVWKFYFLNTGDFPIKSNAMVQALKMLGRNS 251
Db 252 LETVKPPNSKLERFTYHLLRVPYETKPLRNTISKEAPHNQIQFVGASVFLSQA 311
QY 252 MESEVPKKEKETRWKHFEVVR--DTIHL--TNKKDOPPNTLMTGNAVYASRDF 305
Db 312 VKYFNNISIVQDFFAWSKDTSQDFFWATLIRVPGIPEGI-SRSAQVSDLSKQTRLVK 370
Db 306 VQHVKKNPKSQQLIEWVKDTSQDFFWATLWATLQARWMPGSVPNPKVDSIARLVK 365
QY 371 WNYEGFF----YPSCTGSHRSVCIYGAASLRWLKQGHMFANKDSKVPILKLA 425
Db 366 WQHGGDIDKGAPYAPCSGIHORAICVYAGDNLNWLQHLLANKPDKVDDNALQCLE 425
QY 426 EKL 428
Db 426 EYL 428
Db 426 EYL 428

RESULT 8
US-10-388-307-15
; Sequence 15, Application US/10388307
; Publication No US20030180778A1
; GENERAL INFORMATION:
; APPLICANT: Schwiertek, Tilo
; APPLICANT: Clausen, Henrik
; TITLE OF INVENTION: UDP-N-Acetylglucosamine:
; TITLE OF INVENTION: Galactose-beta-1,3-N-Acetylglucosamine-alpha-R / (GlcNAc
; TITLE OF INVENTION: to Gainac) beta1,6-N-Acetylglucosaminyltransferase, C2G1T3
; FILE REFERENCE: 4503/19031
; CURRENT APPLICATION NUMBER: US/10/388, 307
; PRIOR APPLICATION NUMBER: US/09/945, 192
; PRIOR FILING DATE: 2003-03-13
; CURRENT FILING DATE: 2003-08-24
; PRIOR APPLICATION NUMBER: US/10/150, 488
; PRIOR FILING DATE: 1999-08-24
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: Fast-SEQ for Windows Version 3.0
; SEQ ID NO 15
; LENGTH: 438
; TYPE: PRT
; ORGANISM: Human
; US-10-388-307-15

Query Match 36.3%; Score 868; DB 12; Length 438;
Best Local Similarity 43.0%; Pred. No. 5.2e-74;
Matches 182; Conservative 71; Mismatches 146; Indels 24; Gaps 9;
QY 23 LWLISLILKLNV----RRIFPQDILYVEYLSTSPFVN-RYTHVKDEVREYEVNGSG 75
Db 13 LWLGCYMLATVALKLSFRLKCDSDHGLRESRESQOCRNLINFLKPLAKRSINC 72
QY 76 IY--EQEPL--BIGKSLBIRRDIIDLEDDVVAMTSQDIOYQRLGQKJLSKEKSF 131
QY 73 VTRGQEAQVQALNLLEVKKR--EPFTDTHLSTRDCHEHKARKEFQFPLSKEREF 131
Db 192 LEAVEYAHSLQADNLSDLKKSSQMLKQFSPNFIASK 191
Db 192 LVRYVYASWSRVOADLNCMEDLQSSVWKFYFLNTGDFPIKSNAMVQALKMLGRNS 251
Db 252 LETVKPPNSKLERFTYHLLRVPYETKPLRNTISKEAPHNQIQFVGASVFLSQA 311
QY 252 MESEVPKKEKETRWKHFEVVR--DTIHL--TNKKDOPPNTLMTGNAVYASRDF 305
Db 312 VKYFNNISIVQDFFAWSKDTSQDFFWATLIRVPGIPEGI-SRSAQVSDLSKQTRLVK 370
Db 306 VQHVKKNPKSQQLIEWVKDTSQDFFWATLWATLQARWMPGSVPNPKVDSIARLVK 365
QY 371 WNYEGFF----YPSCTGSHRSVCIYGAASLRWLKQGHMFANKDSKVPILKLA 425
Db 366 WQHGGDIDKGAPYAPCSGIHORAICVYAGDNLNWLQHLLANKPDKVDDNALQCLE 425
QY 426 EKL 428
Db 426 EYL 428
Db 426 EYL 428

; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 663
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE: OTHER INFORMATION: Description of Artificial Sequence: Recombinant
; OTHER INFORMATION: amino acid
; US-09-797-207-4

Query Match1 36.3%; Score 868; DB 9; Length 663;

Best Local Similarity 43.0%; Pred. No. 9. 7e-74;
 Matches 182; Conservative 71; Mismatches 146; Indels 24; Gaps 9;

Qy 23 IWLIS--LILKLNRRFLPQK--DILIVEVLSTPFLVNV-RYTHVKDEVYEVNGS 75

Db 40 IWLACGCMYLATVALKLSFLKCDSDHIGLRESQYCRNLYNFKLPKRSNCSG 99

Qy 76 IY--EQLP--EIGSKLERRRIDIDDDVVAMTSDDIVTQRLGYAQKLVSKESK 131

Db 100 VTRGQEAQVIAQNLLEVTFKGR--EPFDIUTYSLTDCHEHKAERFPLSKER 158

Qy 192 LEAVEYAHLSRLQADINCLSDLKSISOKYVNLCC3DPLKSNPFLVSEKLNQANM 251

Db 219 IYVSLVVKDAINVERLTHAIYNQHNYCIHDRKDPTFKVAMNLLAKCSNIFTASK 191

Qy 252 LETVPPNPSLQERETYHHLRPPYEVYKLPRTNTISKEAPPNIOFVGSAFVLSQAF 311

Db 333 WQHEDDIRKGAPYAPCSGIIHQRAICVYAGGLDNWMLQNHLLANKDPKVDDNALQCLE 425

Qy 371 WNYIEGFF----YPSCTGSHLRSVCTYGAERWLKIGHWFANKDSKVPLILCIA 425

Db 393 WQHEDDIRKGAPYAPCSGIIHQRAICVYAGGLDNWMLQNHLLANKDPKVDDNALQCLE 452

Qy 426 EKL 428

Db 453 EYL 455

Query Match2 36.2%; Score 866; DB 9; Length 465;

Best Local Similarity 43.0%; Pred. No. 8. 8e-74;
 Matches 182; Conservative 71; Mismatches 143; Indels 24; Gaps 10;

Qy 23 IWLIS--LILKLNRRFLPQK--DILIVEVLSTPFLVNV-RYTHVKDEVYEVNGS 75

Db 40 IWLACGCMYLATVALKLSFLKCDSDHIGLRESQYCRNLYNFKLPKRSNCSG 99

Qy 76 IY--EQLP--EIGSKLERRRIDIDDDVVAMTSDDIVTQRLGYAQKLVSKESK 131

Db 100 VTRGQEAQVIAQNLLEVTFKGR--EPFDIUTYSLTDCHEHKAERFPLSKER 158

Qy 192 LEAVEYAHLSRLQADINCLSDLKSISOKYVNLCC3DPLKSNPFLVSEKLNQANM 251

Db 219 IYVSLVVKDAINVERLTHAIYNQHNYCIHDRKDPTFKVAMNLLAKCSNIFTASK 191

Qy 252 LETVPPNPSLQERETYHHLRPPYEVYKLPRTNTISKEAPPNIOFVGSAFVLSQAF 311

Db 333 WQHEDDIRKGAPYAPCSGIIHQRAICVYAGGLDNWMLQNHLLANKDPKVDDNALQCLE 425

Qy 371 WNYIEGFF----YPSCTGSHLRSVCTYGAERWLKIGHWFANKDSKVPLILCIA 425

Db 393 WQHEDDIRKGAPYAPCSGIIHQRAICVYAGGLDNWMLQNHLLANKDPKVDDNALQCLE 452

Qy 426 EKL 428

Db 453 EYL 455

Query Match3 36.1%; Score 863.5; DB 9; Length 428;

Best Local Similarity 43.1%; Pred. No. 1. 3e-73;
 Matches 187; Conservative 72; Mismatches 132; Indels 43; Gaps 12;

Qy 28 LILKLNRLFL--FQDKIYV-EYSLSTPFLVNV-RYTHVKDEVYEVNGS 71

Db 1 MURTRLRLRFLPSYPTKYYFVLSLTSVLR--IHQKPFPSVSHLGENPSDI 57

Qy 72 NCSGIEQPLEGK----SIEIRRDIIDDDVVAMTSDDCDYQRLGYAQKLV 125

Db 58 NCTKVLQDVNEIOKVKBILYTFKGR--RWTDPDYNWMDCCSPIKRKXIVPEL 115

Qy 126 KEEKSPFLPLSVLWVKDAINVERLTHAIYNQHNYCIHDRKDPTFKVAMNLLAKCSN 185

RESULT 12
; Sequence 76, Application US/09925297
; Patent No. US2002008659AL
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA105
; CURRENT APPLICATION NUMBER: US/09/925, 297
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05989
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/1124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 928
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 76
; LENGTH: 465
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (59)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; US-09-925-297-796

RESULT 13
; Sequence 14, Application US/09797207
; Patent No. US2002009563A1
; GENERAL INFORMATION:
; APPLICANT: KORCAK, BOZENA
; TITLE OF INVENTION: NOVEL CORE 2 BETA-1, 6-N-ACETYGLYCOMINYLTRANSFERASE
; FILE REFERENCE: GLYCO-7P1
; CURRENT APPLICATION NUMBER: US/09/797, 207
; CURRENT FILING DATE: 2001-03-02
; EARLIER APPLICATION NUMBER: 09/495, 913
; EARLIER FILING DATE: 2000-02-02
; EARLIER APPLICATION NUMBER: 60/118, 674
; EARLIER FILING DATE: 1999-02-03
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 14
; LENGTH: 428
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-797-207-14
; Query Match1 36.1%; Score 863.5; DB 9; Length 428;
; Best Local Similarity 43.1%; Pred. No. 1. 3e-73;
; Matches 187; Conservative 72; Mismatches 132; Indels 43; Gaps 12;
; Qy 28 LILKLNRLFL--FQDKIYV-EYSLSTPFLVNV-RYTHVKDEVYEVNGS 71
; Db 1 MURTRLRLRFLPSYPTKYYFVLSLTSVLR--IHQKPFPSVSHLGENPSDI 57
; Qy 72 NCSGIEQPLEGK----SIEIRRDIIDDDVVAMTSDDCDYQRLGYAQKLV 125
; Db 58 NCTKVLQDVNEIOKVKBILYTFKGR--RWTDPDYNWMDCCSPIKRKXIVPEL 115
; Qy 126 KEEKSPFLPLSVLWVKDAINVERLTHAIYNQHNYCIHDRKDPTFKVAMNLLAKCSN 185

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Job time : 41 secs